

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

FORM 10-K

(Mark One)

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15 (d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended December 31, 2019

or

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from _____ to _____

Commission file number: 001-38407

RED VIOLET, INC.

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction of
incorporation or organization)

82-2408531
(I.R.S. Employer
Identification No.)

2650 North Military Trail, Suite 300,

Boca Raton, Florida 33431

(Address of principal executive offices) (Zip Code)

Registrant's telephone number, including area code: (561) 757-4000

Securities registered pursuant to Section 12(b) of the Act:

| Title of each class | Trading Symbol (s) | Name of each exchange on which registered |
|-------------------------------------------|--------------------|-------------------------------------------|
| Common Stock, \$0.001 par value per share | RDVT | The NASDAQ Stock Market LLC |

Securities registered pursuant to Section 12(g) of the Act: None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data file required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

| | | | |
|-------------------------|-------------------------------------|---------------------------|-------------------------------------|
| Large accelerated filer | <input type="checkbox"/> | Accelerated filer | <input type="checkbox"/> |
| Non-accelerated filer | <input checked="" type="checkbox"/> | Smaller reporting company | <input checked="" type="checkbox"/> |
| | | Emerging growth company | <input checked="" type="checkbox"/> |

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act) Yes No

On June 28, 2019, the last business day of the registrant's most recently completed second fiscal quarter, the aggregate market value (based on the closing per share sales price of its common stock on that date) of the voting stock held by non-affiliates of the registrant was approximately \$68.3 million.

The number of shares outstanding of the registrant's common stock, as of March 9, 2020, was 11,590,015.

DOCUMENTS INCORPORATED BY REFERENCE

Portions of the registrant's Proxy Statement relating to its 2020 Annual Meeting of Stockholders to be filed with the SEC within 120 days after the end of the fiscal year ended December 31, 2019 are incorporated herein by reference in Part III of this Annual Report on Form 10-K.

RED VIOLET, INC.
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PART I

Item 1. Business.

This business description should be read in conjunction with our audited consolidated financial statements and accompanying notes thereto appearing elsewhere in this Annual Report on Form 10-K for the year ended December 31, 2019 (the “2019 Form 10-K”), which are incorporated herein by this reference.

Company Overview

Red Violet, Inc. (“we,” “us,” “our,” “red violet,” or the “Company”) is dedicated to making the world a safer place and reducing the cost of doing business. We specialize in data fusion and analytics, providing cloud-based, mission-critical analytics and information solutions to enterprises with use cases including fraud detection, risk mitigation, due diligence and marketing. Through our intelligent platform, CORE™, we uncover the relevance of disparate data points utilizing our analytical capabilities to provide real-time and insightful views of people, businesses, assets and their interrelationships.

Leveraging proprietary technology and applying machine learning and advanced analytical and decision-making capabilities, CORE provides compelling solutions to public and private sector organizations through intuitive, easy-to-use analytical applications. We empower clients across markets and industries to better execute all aspects of their business, from managing risk, recovering debt, identifying fraud and abuse, and ensuring legislative compliance, to identifying and acquiring customers. With a massive data repository of approximately nine petabytes of public-record, proprietary and publicly-available data, as well as self-reported consumer information and behavioral signals, we transform data into intelligence for our customers to enable better data-driven decisioning.

We presently market our solutions primarily through two brands, idiCORE™, our flagship product, and FOREWARN®. idiCORE is a next-generation, investigative solution used to address a variety of organizational challenges including due diligence, risk mitigation, identity authentication and legislative compliance, by financial services companies, insurance companies, healthcare companies, law enforcement and government, collections, law firms, retail, telecommunication companies, corporate security and investigative firms. FOREWARN is an app-based solution currently tailored for the real estate industry, providing instant knowledge prior to face-to-face engagement with a consumer, helping professionals identify and mitigate risk. As of December 31, 2019 and 2018, idiCORE had 5,064 and 3,627 billable customers and FOREWARN had 30,577 and 11,397 users, respectively. The Company defines a billable customer of idiCORE as a single entity that generated revenue in the last month of the period. Billable customers are typically corporate organizations. In most cases, corporate organizations will have multiple users and/or departments purchasing our solutions, however, the Company counts the entire organization as a discrete customer. The Company defines a user of FOREWARN as a unique person that has a subscription to use the FOREWARN service as of the last day of the period. A unique person can only have one user account.

We generate substantially all of our revenue from licensing our solutions. Customers access our solutions through a hosted environment using an online interface, batch processing, API and custom integrations. We recognize revenue from licensing fees (a) on a transactional basis determined by the customer’s usage, (b) via a monthly fee or (c) from a combination of both. Revenue pursuant to pricing contracts containing a monthly fee is recognized ratably over the contract period. Pricing contracts are generally annual contracts or longer, with auto renewal. Revenue from pricing contracts represented 65% and 58% of total revenue for the years ended December 31, 2019 and 2018, respectively.

Our go-to-market strategy leverages (a) an inside sales team that cultivates relationships, and ultimately closes business, with their end-user markets, (b) a strategic sales team that provides a more personal, face-to-face approach for major accounts within certain industries, and (c) distributors, resellers, and strategic partners that have a significant foothold in many of the industries that we have not historically served, as well as to further penetrate those industries that we do serve. Our sales model generally begins with a free trial followed by an initial purchase on a transactional basis or minimum-committed monthly spend. As organizations derive benefits from our solutions, we are able to “land and expand” within larger organizations as additional use cases expand across departments, divisions and geographic locations and customers become increasingly reliant on our solutions in their daily workflow.

On March 26, 2018, Fluent, Inc. (“Fluent”) spun off its risk management business by way of a distribution of all of the shares of common stock of its then wholly-owned subsidiary, red violet, to its stockholders as of the record date and certain warrant holders (the “Spin-off”). Upon the Spin-off, red violet owned Fluent subsidiaries that previously operated Fluent’s risk management business, and red violet became an independent public company. For periods prior to the Spin-off, the financial statements were prepared on a consolidated and combined basis because certain of the entities were under common control.

For the years ended December 31, 2019 and 2018, we had revenue of \$30.3 million and \$16.3 million, net loss of \$11.1 million and \$6.9 million, and adjusted EBITDA of \$1.9 million and negative \$4.3 million, respectively. Adjusted EBITDA is a non-GAAP financial measure equal to net loss, the most directly comparable financial measure based on US GAAP, excluding interest income, net, depreciation and amortization, share-based compensation expense, litigation costs, net, sales and use tax expense, insurance proceeds in relation to settled litigation, transition service income, and write-off of long-lived assets and others, as noted in the tables included in “Use and Reconciliation of Non-GAAP Financial Measures” of Item 7, “Management’s Discussion and Analysis of Financial Condition and Results of Operations.”

Our Markets

The target market for our products and solutions today consists primarily of organizations within the risk management industry.

The big data and analytics sector continues to grow at an accelerated pace due to the proliferation of data generated over the past two decades from both traditional and emerging sources, including e-commerce, mobile and social media. International Data Corporation, a global provider of market intelligence and advisory services, estimates that worldwide revenue for big data and business analytics services is expected to reach \$274.3 billion in the year 2022, representing a compound annual growth rate (“CAGR”) of 13.2% from 2018 through 2022. Continued, rapid innovation and adoption of new technologies presents enormous challenges for organizations of all types to sort through this sea of data to glean actionable intelligence and address their mission-critical business functions. These challenges serve as key drivers of the sector’s growth. Our industry-agnostic platform, solutions, and analytical capabilities are designed to solve the myriad of complex problems that organizations face on a daily basis.

Risk management and fraud analytics has become increasingly important not only in the banking and financial services sectors but across multiple other industries and use cases. According to the market research company MarketsAndMarkets, the risk analytics market is projected to grow to \$45.9 billion by 2024, representing CAGR of 14.8% from 2019 through 2024, with North America estimated to hold the largest market share in the risk analytics market. Data fusion analytics and the information derived therefrom is now the primary service product for risk management associated with key purchasers such as banking and financial services companies, insurance companies, healthcare companies, law enforcement and government, collection agencies, law firms, retail, telecommunications companies and investigative firms. Primary use cases include, but are not limited to, obtaining information on consumers, businesses and assets (and their interrelationships) to facilitate the location of individuals and assets, identity verification, legislative compliance and to support criminal, legal, financial, insurance, and corporate investigations, due diligence and the assessment and mitigation of counterparty risk.

Key Challenges Facing our Customers

We believe our products and solutions address the challenges that the industry faces today, which include:

Actionable Insights Through A Single Platform—As the velocity and volume of data continues to grow exponentially, enterprises have become overwhelmed with data and their inability to glean actionable insights from such data to derive successful business decisions in real-time. Customers demand full-suite, turn-key solutions that are agile, flexible, and available on-demand in order to gain the speed, scale and insight necessary to drive their business models. As the breadth and depth of data increases, providers will need to deploy new technologies that enable both the ingestion of data at massive scale in real-time, irrespective of structure or form, and the analytics components necessary to function across multiple channels. The continued digitization of human interactions, and the corresponding availability of the data resulting therefrom, is driving demand for data capture, management and analysis software. As a result, customers are looking for flexible and efficient solutions to fuse disparate sets of not only transactional data but also demographic, ethnographic and behavioral data as well, in order to provide insights that are truly actionable.

Cost and Performance Pressures—As our customers face constant cost pressures, they need to continually improve the value they receive from their information solutions. Whether it is identity verification, managing risk, skip tracing or regulatory compliance, customers are increasingly more sophisticated, requiring enhanced performance that provides fast, accurate, and cost-effective solutions to satisfy their business objectives. Improving performance can mean delivering the right data at the right time, or providing the most intuitive information as rapidly as possible to capitalize on opportunities or reduce risk. Superior data fusion with unique data sources delivers customers an advantage as they cope with these pressures.

Delivering Solutions for Complex Problems Using Scalable Data Analytics—The larger and more complex a data repository, the more difficult it is to provide sustained levels of performance and insight. The highly-fragmented nature of data across multiple mediums, proliferation of data and lack of robust technology limits the ability to aggregate actionable information into a comprehensive view. There is an inherent need for information solutions that allow businesses to leverage data that provides actionable intelligence to support fraud detection and prevention, investigations, due diligence, identity verification, and legislative compliance in a more efficient manner.

Our Competitive Strengths

We believe our leading-edge technology platform, massive database of consumer profiles, and dynamic and intuitive solutions deliver superior capabilities to our customers. Our solutions enable our customers to make more informed inquiries regarding their challenges and better decisions to solve their most complex problems. We believe the following competitive strengths will continue to deliver an unrivaled value proposition that further drives our differentiation:

Transformative and Innovative Technology Platform—Through the power of our platform, CORE, we offer a comprehensive suite of information solutions. Our cloud-based, data and industry agnostic platform allows us to assimilate, structure, and fuse billions of disparate records to create comprehensive profiles of individuals and to present these insights in real-time via analytical applications. We believe our platform’s speed, power, and scalability are key differentiators in the marketplace.

Massive Database of Holistic Consumer Profiles—Data is the lifeblood of our technology platform. We leverage our CORE platform to build massive proprietary datasets and apply analytics in real-time to provide actionable insights. Our data is compiled from a myriad of online and offline sources, both structured and unstructured, including public record, publicly-available, proprietary, and self-reported data. Public record data includes personally identifiable information, as well as property, identity, bankruptcy, lien, judgment, automotive, phone and other information aggregated from companies specializing in data aggregation, public record repositories, and publicly-available sources. Proprietary data includes holistic consumer profiles combined with data internally generated by proprietary algorithms and analytic processes. Through next-generation technology and proprietary algorithms, we efficiently ingest these datasets, structure them into normalized form, and utilize the process of data fusion to resolve unique identities so as to create an actionable, real-time view of the data for various use cases, delivering greater intelligence to our customers and enhancing their decision-making capabilities across all markets and industries.

Our Platform and Solutions

Leveraging leading-edge technology, proprietary algorithms, and massive datasets, and through intuitive and powerful analytics, we provide industry-agnostic analytical solutions for organizations within the risk management industry. These organizations use our services to perform due diligence, collect debt, verify consumer identities, investigate fraud and abuse, mitigate risk, and locate assets, among other things. Our core capabilities and technology platform allow us to serve a broad and diverse set of industries and to solve a wide range of issues facing organizations daily.

CORE—our advanced analytical platform, provides cloud-based, mission-critical solutions to a variety of markets and industries. Our primary investigative solution, idiCORE, provides instant, comprehensive views of individuals, businesses, assets and their interrelationships to multiple industries, including law enforcement, government, financial services, insurance, and corporate risk for purposes such as identity verification, risk assessment, fraud detection, and compliance.

Our Sales, Distribution and Marketing

Inside Sales—Our inside sales team cultivates relationships, and ultimately closes business, with their end-user markets. These professionals are relationship-based sellers with experience in identifying clients’ needs and clearly explaining and defining products that provide solutions to those needs.

Strategic Sales—While the majority of our direct sales efforts are supported through professional inside sales staff, major accounts within certain industries require a more personal, face-to-face strategic sales approach. We continue to expand this team to meet the demand of the markets.

Distributors, Resellers, and Strategic Partners—In conjunction with direct-to-client sales efforts, we engage value-added distributors, resellers, and strategic partners that have a significant foothold in many of the industries that we have not historically served, as well as to further penetrate those industries that we do serve. This allows us to rapidly penetrate these markets while also significantly reducing overhead associated with direct sales and support efforts.

Marketing—We have implemented several methods to market our products, including participation in trade shows and seminars, advertising, public relations, distribution of sales literature and product specifications and ongoing communication with prospective clients, distributors, resellers, strategic partners and our installed base of current clients.

Our Strategy

We are committed to developing unique technology and using our analytical capabilities to deliver solutions that transform the way organizations view data. We are advancing our business through the following strategic approach:

- **The Risk Management Industry**—providing actionable intelligence in support of a multitude of use cases, such as the verification and authentication of consumer identities, due diligence, prevention of fraud and abuse, legislative compliance, and debt collection.
- **Custom Analytics**—enabling the public and private sectors to leverage our advanced data fusion platform and analytical applications to obtain insight essential to decision-making processes throughout each client organization.

We will remain focused on building the business organically and will continue to devote resources to the following to ensure that we are well positioned within the industry:

Continuous Advancement of Our Technology and Data to Cross-sell and Upsell—We strongly believe that our ability to continually innovate and invest resources into our technology and data is a key foundation to our success. In addition to improving our predictive software and underlying technology platform, we aim to provide new solutions from our data repository in an effort to offer the greatest value to our clients. We believe this allocation of resources will augment our value proposition for both existing and prospective clients. As we invest in our technology platform and data assets, we will always do so with a view towards providing solutions that deliver scalability, functionality and interoperability. Our technology platform is designed to deliver reliable and accurate information with the scale of global populations and cohorts in mind. Derived semantic insight increases exponentially with each new data asset, creating compounded additional value that can be used by supervised and unsupervised machine learning algorithms. As a result of our ability to process transactional data, self-reported data, and other proprietary datasets at massive scale, we are focused on creating a dynamic platform that maximizes interoperability and continues to drive growth opportunities within our installed customer base.

Selective Acquisitions—In addition to organic growth, we may, in the future, make acquisitions of businesses or technologies that advance our objectives and that enhance shareholder value. We are focused on identifying complementary technologies and businesses that advance our strategic approach. While we maintain our long-term strategy of increasing revenue, gaining market share and enhancing shareholder value through internal development and organic growth, we will continually seek to identify and pursue acquisition opportunities that fit within our strategy.

Our Competition

Competition in the big data and analytics sector centers on innovation, product stability, pricing and customer service. The market for our products and services is highly competitive and is subject to constant change. We compete on the basis of differentiated solutions, analytical capabilities, integration with our clients' technology, client relationships, service stability, innovation and price. We believe we are well-positioned to effectively compete on all fronts.

Our competitors vary widely in size and nature of the products and services they offer. There are a large number of competitors who offer products and services in specialized areas, such as fraud prevention, risk management and decisioning solutions. We believe our next-generation data fusion technology, analytical capabilities, robust database, and the intelligent design of our cloud-based infrastructure will allow us to differentiate ourselves from our competition in flexibility, capability, service and price.

Some of our competitors have substantially greater financial, technical, sales and marketing resources, better name recognition and a larger customer base. Even if we introduce advanced products that meet evolving customer requirements in a timely manner, there can be no assurance that our new products will gain market acceptance.

Certain companies in the big data and analytics sector have expanded their product lines or technologies in recent years as a result of acquisitions. Further, more companies have developed products which conform to existing and emerging industry standards and have sought to compete on the basis of price. We anticipate increased competition from large data and analytics vendors. Increased competition in the big data and analytics sector could result in significant price competition, reduced profit margins or loss of market share, any of which could have a material adverse effect on our business, operating results and financial condition. There can be no assurance that we will be able to compete successfully in the future with current or new competitors.

Concentration of Customers

We have established relationships with a number of customers, many of whom could unilaterally terminate their relationship with us or materially reduce the amount of business they conduct with us at any time. Market competition, customer requirements, customer financial condition and customer consolidation through mergers or acquisitions also could adversely affect our ability to continue or expand these relationships. There is no guarantee that we will be able to retain or renew existing agreements, maintain relationships with any of our customers on acceptable terms or at all or collect amounts owed to us from insolvent customers. The loss of one or more of our major customers could adversely affect our business, financial condition and results of operations.

During the years ended December 31, 2019 and 2018, one individual customer accounted for 15% and 11% of total revenue, respectively.

As of December 31, 2019 and 2018, no individual customer accounted for more than 10% of the Company's accounts receivable.

Concentration of Suppliers

Our products and services depend extensively upon continued access to and receipt of data from external sources, including data received from the major credit bureaus, including our largest data supplier. The Company's other data suppliers include strategic partners, as well as various government and public record repositories. Our largest data supplier, with whom we have expanded our relationship while securing what we believe to be favorable business terms over the years, accounted for 40% of our total data acquisition costs for the year ended December 31, 2019 compared to 46% for the year ended December 31, 2018. The initial term of the agreement, as amended, with this supplier ends April 30, 2022, and continues thereafter on a month-to-month basis unless and until either party provides the other with a minimum of 30 days' written notice of termination. During the term of the agreement, either party has the right to terminate the agreement: (i) in the event of the other party's failure to cure a material breach, and (ii) in the event of the other party's insolvency. In addition, this supplier may terminate this agreement by providing not less than 150 days' advance written notice to us and we may terminate this agreement by providing not less than 24 months' advance written notice to this supplier. The remaining minimum purchase commitments through the end of the initial term is \$10.4 million. If we are unable to maintain our relationship with our largest data supplier, our ability to provide products and services could be negatively impacted, as we would need to secure comparable data on similar terms, which would require significant time, expense, and resources, and may in the short-term adversely affect our reputation, business, financial condition and results of operations and, if we are unable to establish a similar relationship with other data suppliers over time, could have a long-term material impact on our business and financial condition.

Our Intellectual Property

We avail ourselves of applicable trade secret and unfair competition laws to protect our proprietary technology, trademark law to protect our trademarks and domain names, and copyright laws to protect our content relating to, among other things, websites and marketing materials. Our intellectual property rights are embodied in confidential and proprietary technology and data, trademarked brands relating to our business units, products, services, and solutions, original content on our materials such as websites and marketing materials, and domain names. With respect to our trademarks, we maintain an extensive portfolio of perpetual common law and federally-registered trademark rights across several brands. We have also sought protection and registration of certain brands and trademarks internationally, such as in Europe and Canada. At present, we do not hold any issued patents.

We use data acquired through licensing rights from approximately 20 providers. The loss of any one of these providers could have an immediate near-term impact on our financial position, results of operations, and liquidity. Also see "Concentration of Suppliers" above.

Regulatory Matters

Our business is subject to various federal, state, and local laws, rules, and regulations, including, without limitation, the Gramm-Leach-Bliley Act (15 U.S.C. §§ 6801- 6809) (“GLBA”), the Driver’s Privacy Protection Act (18 U.S.C. §§ 2721- 2725) (“DPPA”) and the Federal Trade Commission Act (“FTC Act”). A change in any one of a number of the laws, rules, or regulations applicable to our business or the enactment of new or amended legislation or industry regulations pertaining to consumer or private sector privacy issues could have a material adverse impact on information services. Legislation or industry regulations regarding consumer or private sector privacy issues could place restrictions upon the collection, sharing and use of information that is currently legally available, which could materially increase our cost of collecting and maintaining some data. These types of legislation or industry regulations could also prohibit us from collecting or disseminating certain types of data, which could adversely affect our ability to meet our clients’ requirements and our profitability and cash flow targets.

Seasonality

Our results are subject to seasonal fluctuation. Historically, certain products experience seasonal pressure during the fourth quarter.

Management Team

Our management team has a track record of strong performance and significant expertise in the markets we serve. We have built the leading companies in our industry, creating significant shareholder value. We continue to attract and retain experienced management talent for our business. Our team has deep knowledge of the big data and analytics sector and expertise across the various industries that we serve. Our team has overseen the expansion of our proprietary technology platform while managing ongoing initiatives, including the transition from a development-focused company to a sales-driven company. As a result, we are well positioned to continue to successfully drive growth organically.

Our Employees

We employ 107 full-time employees and one part-time employee as of December 31, 2019. None of our employees are represented by a labor organization, and none are party to any collective bargaining agreement. We have not experienced any work stoppages and consider our relations with our employees to be good. Competition in the recruiting of personnel in the big data and analytics sector is intense. We believe that our future success will depend in part on our continued ability to hire, motivate and retain qualified sales and marketing, executive and administrative and technical personnel. To date, we have not experienced significant difficulties in attracting or retaining qualified employees.

Available Information

Our principal executive offices are located at 2650 North Military Trail, Suite 300, Boca Raton, Florida 33431 and our telephone number is (561) 757-4000. Our corporate website is www.redviolet.com. The website address provided in this 2019 Form 10-K is not intended to function as a hyperlink and information obtained on the website is not and should not be considered part of this 2019 Form 10-K and is not incorporated by reference in this 2019 Form 10-K or any filing with the Securities and Exchange Commission (the “SEC”). Our Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K, and amendments to reports filed or furnished pursuant to Sections 13(a) and 15(d) of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), are available, free of charge, under the “Investors” section of our website at www.redviolet.com as soon as reasonably practicable after we electronically file such material with, or furnish it to, the SEC. The SEC maintains an internet website located at <http://www.sec.gov> that contains the information we file or furnish electronically with the SEC.

Information About Our Executive Officers

Our executive officers are as follows:

| Name | Position |
|-------------------|----------------------------------------------|
| Derek Dubner | Chief Executive Officer and Interim Chairman |
| James Reilly | President |
| Daniel MacLachlan | Chief Financial Officer |
| Jeff Dell | Chief Information Officer |

Mr. Derek Dubner, 48, has served as the Chief Executive Officer and a director of the Company since its formation in August 2017 and continuing through the Spin-off from cogint. Mr. Dubner was appointed as Interim Chairman of our board of directors in September 2018. Mr. Dubner served as the Chief Executive Officer and a director of cogint, from March 2016 until the Spin-off. Mr. Dubner served as our Co-Chief Executive Officer from March 2015 until March 2016, when he was appointed cogint's Chief Executive Officer. Mr. Dubner has over 20 years of experience in the data and analytics industry. Mr. Dubner has served as the Chief Executive Officer of our subsidiary The Best One, Inc. ("TBO"), now known as the IDI Holdings, LLC ("IDI Holdings"), a holding company engaged in the acquisition of operating businesses and the acquisition and development of technology assets across various industries, and its subsidiary, Interactive Data, LLC ("Interactive Data"), since October 2014. Prior to TBO, Mr. Dubner served as General Counsel of TransUnion Risk and Alternative Data Solutions, Inc. ("TRADS") from December 2013 to June 2014. Mr. Dubner served as General Counsel and Secretary of TLO, LLC ("TLO"), an information solutions provider, from inception in 2009 to December 2013.

Mr. James Reilly, 45, has served as President of the Company since its formation in August 2017 and continuing through its Spin-off from cogint. Mr. Reilly served as President of cogint from July 2017 until the Spin-off, and previously from June 2015 until June 30, 2016 and as President and Chief Operating Officer of two of our subsidiaries, IDI Holdings and Interactive Data from October 2014 until June 2016. From July 2016 to June 2017, Mr. Reilly was enjoined from providing services for cogint or its subsidiaries. From January 2014 through September 2014, Mr. Reilly served as Vice President of Sales at TRADS. From August 2010 through its acquisition of substantially all of the assets by TRADS in December 2013, Mr. Reilly served as Senior Vice President of TLO.

Mr. Daniel MacLachlan, 41, has served as the Chief Financial Officer of the Company since its formation in August 2017 and continuing through its Spin-off from cogint. Mr. MacLachlan served as Chief Financial Officer of cogint from March 2016 until the Spin-off and brings over a decade of experience as the chief financial officer of data-driven technology companies. Mr. MacLachlan served as an Independent Director, Audit and Compensation Committee Chairman for Vapor Corp., a U.S.-based distributor and retailer of vaporizers, e-liquids and electronic cigarettes, from April 2015 through April 2016. From October 2014 until February 2015, Mr. MacLachlan served as the Chief Financial Officer of TBO. Prior to TBO, Mr. MacLachlan served in the roles of Director of Finance and Chief Financial Officer for TRADS, after it acquired substantially all of the assets of TLO, through a 363 sale process in December 2013. Mr. MacLachlan was the Chief Financial Officer of TLO from 2009 to December 2013. From 2005 to 2009, Mr. MacLachlan served as the Chief Financial Officer of JARI Research Corporation ("JARI"), a partnership with the Mayo Clinic advancing proprietary cancer therapeutic technology using targeted radioactive therapy. Prior to JARI, Mr. MacLachlan served as a Special Agent in the Federal Bureau of Investigation (FBI) specializing in the criminal investigation of public corruption and civil rights violations.

Mr. Jeff Dell, 48, has served as the Chief Information Officer of the Company since its formation in August 2017 and continuing through its Spin-off from cogint. Mr. Dell served as Chief Information Officer of cogint from September 2016 until the Spin-off and served as the Interim Chief Information Officer of cogint from June 2016 through September 2016. From July 2015 through May 2016, Mr. Dell served as the VP Information Security of cogint. From June 2012 to June 2015, Mr. Dell served as Founder and Chief Executive Officer of Endurance Tracker, Inc., a sports-based data analytics solution. From August 2009 to May 2012, Mr. Dell served as Lead Architect at Tripwire, Inc. From October 2008 to August 2009, Mr. Dell served as Chief Information Security Officer of TLO. From September 2003 to August 2009, Mr. Dell served as Founder and Chief Executive Officer of Activeworx, Inc., a leading information security data analytics company. From January 2001 to August 2003, Mr. Dell served as Chief Information Security Officer of Seisint, Inc., a leading provider in the data fusion industry.

Item 1A. Risk Factors.

Our business, financial condition, operating results, and cash flows may be impacted by a number of factors, many of which are beyond our control, including those set forth below and elsewhere in this 2019 Form 10-K, the occurrence of any one of which could have a material adverse effect on our actual results.

Risks Relating to Our Business

We have a history of losses which makes our future results uncertain.

Since inception, we have incurred operating losses. We need to generate greater revenue from the sale of our products and services if we are to achieve and sustain profitability. If we are unable to generate greater revenue, we may not be able to achieve profitability or continue to generate positive cash flow from operations in the future.

Our products and services are highly technical and if they contain undetected errors, our business could be adversely affected and we may have to defend lawsuits or pay damages in connection with any alleged or actual failure of our products and services.

Our products and services are highly technical and complex. Our products and services have contained and may contain one or more undetected errors, defects or security vulnerabilities. Some errors in our products and services may only be discovered after a product or service has been used by end customers. Any errors or security vulnerabilities discovered in our products after commercial release could result in loss of revenue or delay in revenue recognition, or loss of customers, any of which could adversely affect our business and results of operations. In addition, we could face claims for product liability or breach of personally identifiable information. Defending a lawsuit, regardless of its merit, is costly and may divert management's attention. In addition, if our business liability insurance coverage is inadequate or future coverage is unavailable on acceptable terms or at all, our financial condition could be harmed.

Because our networks and information technology systems are critical to our success, if unauthorized persons access our systems or our systems otherwise cease to function properly, our operations could be adversely affected and we could lose revenue or proprietary information, all of which could materially adversely affect our business.

As our business is conducted largely online, it is dependent on our networks being accessible and secure. If an actual or perceived breach of network security occurs, regardless of whether the breach is attributable to our network security controls, the market perception of the effectiveness of our network security could be harmed resulting in loss of current and potential end user customers, data suppliers, or cause us to lose potential value-added resellers. Our business is largely dependent on our customer-facing websites and our websites may be inaccessible because of service interruptions or subject to hacking or computer attacks. Because the techniques used by computer hackers to access or sabotage networks change frequently and generally are not recognized until launched against a target, we may be unable to anticipate these techniques. If an actual or perceived breach were to occur, we cannot assure you that we would not lose revenue or not sustain operating losses as a result.

We also rely heavily on large information technology databases and the ability to provide services using that information. A party who is able to breach the security measures on our networks or who otherwise is able to access our system through unauthorized means could misappropriate either our proprietary information or the personal information of consumers that we collect, or otherwise cause interruptions or malfunctions to our operations. Hacking of computer data systems is a growing problem throughout the United States. If we grow and obtain more visibility, we may be more vulnerable to hacking or other attempts to gain unauthorized access to our system. Moreover, the increased use of mobile devices also increases the risk of intentional and unintentional theft or disclosure of data including personal information. We may be unable to anticipate all of these vulnerabilities and implement adequate preventative measures and, in some cases, we may not be able to immediately detect a security incident. Any security incident may also result in a misappropriation of our proprietary information or that of our users, clients, and third-party vendors, which could result in legal and financial liability, as well as harm to our reputation.

We may be required to expend significant capital and other resources to protect against such threats or to alleviate problems caused by breaches in security. Additionally, any server interruptions, break-downs or system failures, including failures which may be attributable to events within our control, could increase our future operating costs and cause us to lose business. We maintain insurance policies covering losses relating to our network systems or other assets. However, these policies may not cover the entire cost of a claim. Any future disruptions in our information technology systems, whether caused by hacking or otherwise, may have a material adverse effect on our future results.

Privacy concerns relating to the collection, use, accuracy, correction and sharing of personal information and any perceived or actual unauthorized disclosure of personally identifiable information, whether through breach of our network by an unauthorized party, employee theft, misuse, or error could harm our reputation, impair our ability to attract website visitors and to attract and retain clients, result in a loss of confidence in the security of our products and services, or subject us to claims or litigation arising from damages suffered by consumers, and thereby harm our business and results of operations. In addition, we could incur significant costs for which our insurance policies may not adequately cover and cause us to expend significant resources in protecting against security breaches and complying with the multitude of state and federal laws regarding data privacy and data breach notification obligations.

We must adequately protect our intellectual property in order to prevent loss of valuable proprietary information.

We rely primarily upon a combination of patent, copyright, trademark and trade secret laws, as well as other intellectual property laws, and confidentiality procedures and contractual agreements, such as non-disclosure agreements, to protect our proprietary technology. However, unauthorized parties may attempt to copy or reverse engineer aspects of our products or services or to obtain and use information that we regard as proprietary. Policing unauthorized use of our products or services is difficult, and we cannot be certain that the steps we have taken will prevent misappropriation of our intellectual property. If the protection of our intellectual property proves to be inadequate or unenforceable, others may be able to use our proprietary developments without compensation to us, resulting in potential cost advantages to our competitors.

Some of our systems and technologies are not covered by any copyright, patent or patent application. We cannot guarantee that: (i) our intellectual property rights will provide us with a competitive advantage; (ii) our ability to assert our intellectual property rights against potential competitors or to settle current or future disputes will be effective; (iii) our intellectual property rights will be enforced in jurisdictions where competition may be intense or where legal protection may be weak; (iv) any of the patent, trademark, copyright, trade secret or other intellectual property rights that we presently employ in our business will not lapse or be invalidated, circumvented, challenged, or abandoned; (v) competitors will not design around our protected systems and technology; or (vi) that we will not lose the ability to assert our intellectual property rights against others.

Policing unauthorized use of our proprietary rights can be difficult and costly. Litigation, while it may be necessary to enforce or protect our intellectual property rights, could result in substantial costs and diversion of resources and management attention and could adversely affect our business, even if we are successful on the merits. In addition, others may independently discover trade secrets and proprietary information, and in such cases we could not assert any trade secret rights against such parties.

We depend, in part, on strategic alliances, joint ventures and acquisitions to grow our business. If we are unable to make strategic acquisitions and develop and maintain these strategic alliances and joint ventures, our growth may be adversely affected.

An important focus of our business is to identify business partners who can enhance our services, enable us to develop solutions that differentiate us from our competitors, drive users to our websites and monetize our data. We have entered into several alliance agreements or license agreements with respect to certain of our datasets and services and may enter into similar agreements in the future. These arrangements may require us to restrict our use of certain of our technologies or datasets among certain customer industries, restrict content on our websites or grant licenses on terms that ultimately may prove to be unfavorable to us, any of which could adversely affect our business, financial condition or results of operations. Relationships with our alliance agreement partners may include risks due to incomplete information regarding the marketplace and commercial strategies of our partners, and our alliance agreements or other licensing agreements may be the subject of contractual disputes. If we or our alliance agreements' partners are not successful in maintaining or commercializing the alliance agreements' services, such commercial failure could adversely affect our business.

If we consummate any future acquisitions, we will be subject to the risks inherent in identifying, acquiring and operating a newly acquired business.

We may, in the future, acquire additional businesses, which we believe could complement or expand our current business or offer growth opportunities. We may experience difficulties in identifying potential acquisition candidates that complement our current business at appropriate prices, or at all. We cannot assure you that our acquisition strategy will be successful. We may spend significant management time and resources in analyzing and negotiating acquisitions or investments that are not consummated. Furthermore, the ongoing process of integrating an acquired business is distracting, time consuming, expensive, and requires continuous optimization and allocation of resources. Additionally, if we use stock as consideration, this would dilute our existing shareholders and if we use cash, this would reduce our liquidity and impact our financial flexibility. We may seek debt financing for particular acquisitions, which may not be available on commercially reasonable terms, or at all. We face the risks associated with the business acquisition strategy, including:

- the potential disruption of our existing businesses, including the diversion of management attention and the redeployment of resources;
- entering new markets or industries in which we have limited prior experience;
- our failure in due diligence to identify key issues specific to the businesses we seek to acquire or the industries or other environments in which they operate, or, failure to protect against contingent liabilities arising from those issues;

- unforeseen, hidden or fraudulent liabilities;
- our difficulties in integrating, aligning and coordinating organizations which will likely be geographically separated and may involve diverse business operations and corporate cultures;
- our difficulties in integrating and retaining key management, sales, research and development, production and other personnel;
- the potential loss of key employees, customers or distribution partners of the acquired businesses;
- our difficulties in incorporating the acquired business into our organization;
- the potential loss of customers, distributors or suppliers;
- our difficulties in integrating or expanding information technology systems and other business processes to accommodate the acquired business;
- the risks associated with integrating financial reporting and internal control systems, including the risk that significant deficiencies or material weaknesses may be identified in acquired entities;
- the potential for future impairments of goodwill and other intangible assets if the acquired business does not perform as expected;
- the inability to obtain necessary government approvals for the acquisition, if any; and
- our successfully operating the acquired business.

If we cannot overcome these challenges, we may not realize actual benefits from past and future acquisitions, which will impair our overall business results. If we complete an investment or acquisition, we may not realize the anticipated benefits from the transaction.

Our business is subject to various governmental regulations, laws and orders, compliance with which may cause us to incur significant expenses or reduce the availability or effectiveness of our solutions, and the failure to comply with which could subject us to civil or criminal penalties or other liabilities.

Our business is subject to regulation under the GLBA, the DPPA, the FTC Act, and various other federal, state and local laws and regulations. These laws and regulations, which generally are designed to protect the privacy of the public and to prevent the misuse of personal information are complex, change frequently and have tended to become more stringent over time. We have already incurred significant expenses in our attempt to ensure compliance with these laws.

Currently, public concern is high with regard to the collection, use, accuracy, correction and sharing of personal information, including Social Security numbers, dates of birth, financial information, department of motor vehicle data and other behavioral data. In addition, many consumer advocates, privacy advocates, legislatures and government regulators believe that existing laws and regulations do not adequately protect privacy and have become increasingly concerned with the collection and use of this type of personal information. As a result, several U.S. states have recently introduced and passed legislation to expand data security breach notification rules and to provide consumers with greater transparency and control over their personal data. For example, the California Consumer Privacy Act of 2018 (the "CCPA"), which became effective on January 1, 2020, applies to certain businesses that collect personal information from California residents and establishes several consumer rights, including a right to know what personal information is being collected about them and whether and to whom it is sold, a right to access their personal information and have it deleted, a right to opt out of the sale of their personal information, and a right to equal service and price regardless of exercise of these rights. While the CCPA includes specific exemptions for practices and activities regulated by GLBA or DPPA, including certain of our products, it requires, among other things, new disclosures to California consumers and affords consumers new abilities to opt out of certain disclosures of personal information in other portions of our business that are not regulated by GLBA or DPPA. Implementing regulations from the Attorney General that may clarify the CCPA are not due until July 1, 2020 and additional amendments to the CCPA may be signed into law before then. The U.S. Congress may also pass a law to preempt all or part of the CCPA.

A number of data incidents announced recently by companies in various industries has resulted in significantly increased legislative and regulatory activity at the federal and state levels as lawmakers and regulators continue to propose a wide range of further restrictions on the collection, dissemination or commercial use of personal information, information security standards, and data security incident disclosure standards. This and additional legislative or regulatory efforts in the United States, or action by Executive Order of the President of the United States, could further regulate the collection, use, communication, access, accuracy, obsolescence, sharing, correction and security of this personal information. In addition, any perception that our practices or products are an invasion of privacy, whether or not consistent with current or future regulations and industry practices, may subject us to public criticism, private class actions, reputational harm, or claims by regulators, which could disrupt our business and expose us to increased liability.

These U.S. federal and state laws and regulations, which can be enforced by government entities or, in some cases, private parties, are constantly evolving and can be subject to significant change. Keeping our business in compliance with or bringing our business into compliance with new laws may be costly and may affect our revenue and/or harm our financial results. In addition, the application, interpretation, and enforcement of these laws and regulations are often uncertain, particularly in the new and rapidly evolving industry in which we operate, and may be interpreted and applied inconsistently from jurisdiction to jurisdiction and inconsistently with our current policies and practices. In addition, new laws or regulations or changes in enforcement of existing laws or regulations applicable to our clients could affect the activities or strategies of such clients and, therefore, lead to reductions in their level of business with us.

The following legal and regulatory developments also could have a material adverse effect on our business, financial condition or results of operations:

- amendment, enactment or interpretation of laws and regulations that restrict the access and use of personal information and reduce the availability or effectiveness of our solutions or the supply of data available to customers;
- changes in cultural and consumer attitudes in favor of further restrictions on information collection and sharing, which may lead to regulations that prevent full utilization of our solutions;
- failure of data suppliers or customers to comply with laws or regulations, where mutual compliance is required;
- failure of our solutions to comply with current laws and regulations; and
- failure of our solutions to adapt to changes in the regulatory environment in an efficient, cost-effective manner.

Changes in applicable legislation or regulations that restrict or dictate how we collect, maintain, combine and disseminate information could adversely affect our business, financial condition or results of operations. In the future, we may be subject to significant additional expense to ensure continued compliance with applicable laws and regulations and to investigate, defend or remedy actual or alleged violations. Any failure by us to comply with applicable laws or regulations could also result in significant liability to us, including liability to private plaintiffs as a result of individual or class action litigation, or may result in the cessation of our operations or portions of our operations or impositions of fines and restrictions on our ability to carry on or expand our operations. Moreover, our compliance with privacy laws and regulations and our reputation depend in part on our customers' adherence to privacy laws and regulations and their use of our services in ways consistent with consumer expectations and regulatory requirements. Certain of the laws and regulations governing our business are subject to interpretation by judges, juries and administrative entities, creating substantial uncertainty for our business. We cannot predict what effect the interpretation of existing or new laws or regulations may have on our business.

The outcome of litigation, inquiries, investigations, examinations or other legal proceedings in which we are involved, in which we may become involved, or in which our customers or competitors are involved could subject us to significant monetary damages or restrictions on our ability to do business.

Legal proceedings arise frequently as part of the normal course of our business. These may include individual consumer cases, class action lawsuits and inquiries, investigations, examinations, regulatory proceedings or other actions brought by federal (e.g., the FTC) or state (e.g., state attorneys general) authorities. The scope and outcome of these proceedings is often difficult to assess or quantify. Plaintiffs in lawsuits may seek recovery of large amounts and the cost to defend such litigation may be significant. There may also be adverse publicity and uncertainty associated with investigations, litigation and orders (whether pertaining to us, our customers or our competitors) that could decrease customer acceptance of our services or result in material discovery expenses. In addition, a court-ordered injunction or an administrative cease-and-desist order or settlement may require us to modify our business practices or may prohibit conduct that would otherwise be legal and in which our competitors may engage. Many of the technical and complex statutes to which we are subject, including state and federal financial privacy requirements, may provide for civil and criminal penalties and may permit consumers to maintain individual or class action lawsuits against us and obtain statutorily prescribed damages.

Additionally, our customers might face similar proceedings, actions or inquiries which could affect their business and, in turn, our ability to do business with those customers.

While we do not believe that the outcome of any pending or threatened legal proceeding, investigation, examination or supervisory activity will have a material adverse effect on our financial position, such events are inherently uncertain and adverse outcomes could result in significant monetary damages, penalties or injunctive relief against us. Furthermore, we review legal proceedings and claims on an ongoing basis and follow appropriate accounting guidance, including ASC 450, when making accrual and disclosure decisions. We establish accruals for those contingencies where the incurrence of a loss is probable and can be reasonably estimated, and we disclose the amount accrued and the amount of a reasonably possible loss in excess of the amount accrued, if such disclosure is necessary for our financial statements to not be misleading. To estimate whether a loss contingency should be accrued by a charge to income, we evaluate, among other factors, the degree of probability of an unfavorable outcome and the ability to make a reasonable estimate of the amount of the loss. We do not record liabilities when the likelihood that the liability has been incurred is probable, but the amount cannot be reasonably estimated.

Our relationships with key customers may be materially diminished or terminated.

We have established relationships with a number of customers, many of whom could unilaterally terminate their relationship with us or materially reduce the amount of business they conduct with us at any time. Market competition, customer requirements, customer financial condition and customer consolidation through mergers or acquisitions also could adversely affect our ability to continue or expand these relationships. There is no guarantee that we will be able to retain or renew existing agreements, maintain relationships with any of our customers on acceptable terms or at all or collect amounts owed to us from insolvent customers. The loss of one or more of our major customers could adversely affect our business, financial condition and results of operations.

If we lose the services of key personnel, it could adversely affect our business.

Our future success depends, in part, on our ability to attract and retain key personnel. Our future also depends on the continued services of Derek Dubner, our Chief Executive Officer and Interim Chairman, James Reilly, our President, Daniel MacLachlan, our Chief Financial Officer and other key employees in all areas of our organization, each of whom is important to the management of certain aspects of our business and operations and the development of our strategic direction, and each of whom may be difficult to replace. The loss of the services of these key individuals and the process to replace these individuals would involve significant time and expense and could significantly delay or prevent the achievement of our business objectives.

If we fail to respond to rapid technological changes in the big data and analytics sector, we may lose customers and/or our products and/or services may become obsolete.

The big data and analytics sector is characterized by rapidly changing technology, frequent product introductions, and continued evolution of new industry standards. As a result, our success depends upon our ability to develop and introduce in a timely manner new products and services and enhancements to existing products and services that meet changing customer requirements and evolving industry standards. The development of technologically advanced product solutions is a complex and uncertain process requiring high levels of innovation, rapid response and accurate anticipation of technological and market trends. We cannot assure you that we will be able to identify, develop, manufacture, market or support new or enhanced products and services successfully in a timely manner. Further, we or our competitors may introduce new products or services or product enhancements that shorten the life cycle of existing products or services or cause existing products or services to become obsolete.

Our revenue is concentrated in the U.S. market across a broad range of industries. When these industries or the broader financial markets experience a downturn, demand for our services and revenue may be adversely affected.

Our customers, and therefore our business and revenue, sometimes depend on favorable macroeconomic conditions and are impacted by the availability of credit, the level and volatility of interest rates, inflation, employment levels, consumer confidence and housing demand. In addition, a significant amount of our revenue is concentrated among certain industries. Our customer base suffers when financial markets experience volatility, illiquidity and disruption, which has occurred in the past and which could reoccur. Such market developments, and the potential for increased and continuing disruptions going forward, present considerable risks to our business and operations. Changes in the economy have resulted, and may continue to result, in fluctuations in volumes, pricing and operating margins for our services. For example, the banking and financial market downturn that began to affect U.S. businesses in 2008 caused a greater focus on expense reduction by customers of businesses similar to ours. If businesses in these industries experience economic hardship, we cannot assure you that we will be able to generate future revenue growth. These types of disruptions could lead to a decline in the volumes of services we provide our customers and could negatively impact our revenue and results of operations.

We could lose our access to data sources which could prevent us from providing our services.

Our products and services depend extensively upon continued access to and receipt of data from external sources, including data received from customers, strategic partners and various government and public record repositories. In some cases, we compete with our data providers. Our data providers could stop providing data, provide untimely data or increase the costs for their data for a variety of reasons, including a perception that our systems are insecure as a result of a data security breach, budgetary constraints, a desire to generate additional revenue or for regulatory or competitive reasons. We could also become subject to increased legislative, regulatory or judicial restrictions or mandates on the collection, disclosure or use of such data, in particular if such data is not collected by our providers in a way that allows us to legally use the data. If we were to lose access to this external data or if our access or use were restricted or were to become less economical or desirable, our ability to provide services could be negatively impacted, which would adversely affect our reputation, business, financial condition and results of operations. We cannot provide assurance that we will be successful in maintaining our relationships with these external data source providers or that we will be able to continue to obtain data from them on acceptable terms or at all. Furthermore, we cannot provide assurance that we will be able to obtain data from alternative sources if our current sources become unavailable. If we were to lose access to this external data or if our access or use were restricted or were to become less economical or desirable, our ability to provide services could be negatively impacted, which would adversely affect our reputation, business, financial condition and results of operations.

The foregoing risks are heightened with respect to our largest data supplier, with whom we have expanded our relationship while securing favorable business terms over the years. If we are unable to maintain our current relationship with our largest data supplier, our ability to provide services could be negatively impacted, as we would need to secure comparable data on similar terms, which would require significant time, expense, and resources, and may in the short-term adversely affect our reputation, business, financial condition and results of operations and, if we are unable to establish a similar relationship with other data suppliers over time, could have a long-term material impact on our business and financial condition.

Data security and integrity are critically important to our business, and breaches of security, unauthorized access to or disclosure of confidential information, disruption, including distributed denial of service (“DDoS”) attacks or the perception that confidential information is not secure, could result in a material loss of business, substantial legal liability or significant harm to our reputation.

We own and host a large amount of sensitive and confidential consumer information including financial information and personally identifiable information. This data is often accessed through secure transmissions over public and private networks, including the internet. Despite our physical security, implementation of technical controls and contractual precautions to identify, detect and prevent the unauthorized access to and alteration and disclosure of our data, we cannot assure you that systems that access our services and databases will not be compromised or disrupted, whether as a result of criminal conduct, DDoS attacks or other advanced persistent attacks by malicious actors, including hackers, nation states and criminals, breaches due to employee error or malfeasance, or other disruptions during the process of upgrading or replacing computer software or hardware, power outages, computer viruses, telecommunication or utility failures or natural disasters or other catastrophic events. We must continually monitor and develop our information technology networks and infrastructure to prevent, detect, address and mitigate the risk of unauthorized access, misuse, computer viruses and other events that could have a security impact. Several recent, highly-publicized data incidents and DDoS attacks have heightened consumer awareness of this issue and may embolden individuals or groups to target our systems. Unauthorized disclosure, loss or corruption of our data or inability of our customers to access our systems could disrupt our operations, subject us to substantial legal liability, result in a material loss of business and significantly harm our reputation.

As a nationwide provider of risk and information solutions, we collect, store and transmit files on millions of consumers. These files may contain non-public personal information and other information, and we have implemented technical and physical security policies, procedures and systems we believe are reasonably designed to protect this information from unauthorized access. However, due to the sensitive nature of the information we collect, store and transmit, it is not unusual for efforts to occur (coordinated or otherwise) by unauthorized persons to attempt to obtain access to our systems or data, or to inhibit our ability to deliver products or services to a customer.

We may not be able to immediately address the consequences of a cybersecurity incident because a successful breach of our computer systems, software, networks or other technology assets could occur and persist for an extended period of time before being detected due to, among other things:

- the breadth and complexity of our operations and the high volume of transactions that we process;
- the large number of customers, counterparties and third-party service providers with which we do business;
- the proliferation and increasing sophistication of cyberattacks; and
- the possibility that a third party, after establishing a foothold on an internal network without being detected, might obtain access to other networks and systems.

The extent of a particular cybersecurity incident and the steps that we may need to take to investigate it may not be immediately clear, and it may take a significant amount of time before such an investigation can be completed and full and reliable information about the incident is known. While such an investigation is ongoing, we may not necessarily know the extent of the harm or how best to remediate it, and certain errors or actions could be repeated or compounded before they are discovered and remediated, any or all of which could further increase the costs and consequences of a cybersecurity incident.

Due to concerns about data security and integrity, a growing number of legislative and regulatory bodies have adopted consumer notification and other requirements in the event that consumer information is accessed by unauthorized persons and additional regulations regarding the use, access, accuracy and security of such data are possible. In the United States, federal and state laws provide for 50 disparate data breach notification regimes, all of which we may be subject to. Complying with such numerous and complex regulations in the event of unauthorized access would be expensive and difficult, and failure to comply with these regulations could subject us to regulatory scrutiny and additional liability.

We face intense competition from both start-up and established companies that may have significant advantages over us and our products.

The market for our products and services is intensely competitive. There are numerous companies competing with us in various segments of the big data and analytics sector, and their products and services may have advantages over our products and services in areas such as conformity to existing and emerging industry standards, performance, price, ease of use, scalability, reliability, flexibility, product features and technical support.

Our principal competitors in the big data and analytics sector include Palantir, RELX Group (LexisNexis), TransUnion, and Thomson Reuters. Current and potential competitors may have one or more of the following significant advantages:

- greater financial, technical and marketing resources;
- better name recognition;
- more comprehensive solutions;
- better or more extensive cooperative relationships; and
- larger customer base.

We cannot assure you that we will be able to compete successfully with our existing or new competitors. Some of our competitors may have, in relation to us, one or more of the following: longer operating histories, longer-standing relationships with end-user customers and greater customer service, public relations and other resources. As a result, these competitors may be able to more quickly develop or adapt to new or emerging technologies and changes in customer requirements, or devote greater resources to the development, promotion and sale of their products and services. Additionally, it is likely that new competitors or alliances among existing competitors could emerge and rapidly acquire significant market share.

There may be further consolidation in our end-customer markets, which may adversely affect our revenue.

There has been, and we expect there will continue to be, merger, acquisition and consolidation activity in our customer markets. If our customers merge with, or are acquired by, other entities that are not our customers, or that use fewer of our services, our revenue may be adversely impacted. In addition, industry consolidation could affect the base of recurring transaction-based revenue if consolidated customers combine their operations under one contract, since many of our contracts provide for volume discounts. In addition, our existing customers might leave certain geographic markets, which would no longer require them to purchase certain products from us and, consequently, we would generate less revenue than we currently expect.

To the extent the availability of free or relatively inexpensive consumer and/or business information increases, the demand for some of our services may decrease.

Public and commercial sources of free or relatively inexpensive consumer and business information have become increasingly available and this trend is expected to continue. Public and commercial sources of free or relatively inexpensive consumer and/or business information may reduce demand for our services. To the extent that our customers choose not to obtain services from us and instead rely on information obtained at little or no cost from these public and commercial sources, our business, financial condition and results of operations may be adversely affected.

If our newer products do not achieve market acceptance, revenue growth may suffer.

Our products have been in the market place for a limited period of time and may have longer sales cycles than competitive products. Accordingly, we may not achieve the meaningful revenue growth needed to sustain operations. We cannot provide any assurances that sales of our newer products will continue to grow or generate sufficient revenues to sustain our business. If we are unable to recognize revenues due to longer sales cycles or other problems, our results of operations could be adversely affected.

We have not yet received broad market acceptance for our newer products. We cannot assure you that our present or future products will achieve market acceptance on a sustained basis. In order to achieve market acceptance and achieve future revenue growth, we must introduce complementary products, incorporate new technologies into existing product lines, and design and develop and successfully commercialize higher performance products in a timely manner. We cannot assure you that we will be able to offer new or complementary products that gain market acceptance quickly enough to avoid decreased revenues during current or future product introductions or transitions.

Our products and services can have long sales and implementation cycles, which may result in substantial expenses before realizing any associated revenue.

The sale and implementation of our products and services to large companies and government entities typically involves a lengthy education process and a significant technical evaluation and commitment of capital and other resources. This process is also subject to the risk of delays associated with customers' internal budgeting and other procedures for approving capital expenditures, and testing and accepting new technologies that affect key operations. As a result, sales and implementation cycles for our products and services can be lengthy, and we may expend significant time and resources before we receive any revenues from a customer or potential customer. Our quarterly and annual operating results could be adversely affected if orders forecast for a specific customer and for a particular period are not realized.

If we fail to maintain and improve our systems, our technology, and our interfaces with data sources and customers, demand for our services could be adversely affected.

In our industry, there are continuous improvements in computer hardware, network operating systems, programming tools, programming languages, operating systems, data matching, data filtering and other database technologies and the use of the internet. These improvements, as well as changes in customer preferences or regulatory requirements, may require changes in the technology used to gather and process our data and deliver our services. Our future success will depend, in part, upon our ability to:

- internally develop and implement new and competitive technologies;
- use leading third-party technologies effectively;
- respond to changing customer needs and regulatory requirements, including being able to bring our new products to the market quickly; and

- transition customers and data sources successfully to new interfaces or other technologies.

We cannot provide assurance that we will successfully implement new technologies, cause customers or data suppliers to implement compatible technologies or adapt our technology to evolving customer, regulatory and competitive requirements. If we fail to respond, or fail to cause our customers or data suppliers to respond, to changes in technology, regulatory requirements or customer preferences, the demand for our services, the delivery of our services or our market reputation could be adversely affected. Additionally, our failure to implement important updates could affect our ability to successfully meet the timeline for us to generate cost savings resulting from our investments in improved technology. Failure to achieve any of these objectives would impede our ability to deliver strong financial results.

If our outside service providers and key vendors are not able to or do not fulfill their service obligations, our operations could be disrupted and our operating results could be harmed.

We depend on a number of service providers and key vendors such as telecommunication companies, software engineers, data processors, and software and hardware vendors, who are critical to our operations. These service providers and vendors are involved with our service offerings, communications and networking equipment, computer hardware and software and related support and maintenance. Although we have implemented service-level agreements and have established monitoring controls, our operations could be disrupted if we do not successfully manage relationships with our service providers, if they do not perform or are unable to perform agreed-upon service levels, or if they are unwilling to make their services available to us at reasonable prices. If our service providers and vendors do not perform their service obligations, it could adversely affect our reputation, business, financial condition and results of operations.

Consolidation in the big data and analytics sector may limit market acceptance of our products and services.

Several of our competitors have acquired companies with complementary technologies in the past. We expect consolidation in the industries we serve to continue in the future. These acquisitions may permit our competitors to accelerate the development and commercialization of broader product lines and more comprehensive solutions than we currently offer. Acquisitions of vendors or other companies with whom we have a strategic relationship by our competitors may limit our access to commercially significant technologies. Further, business combinations are creating companies with larger market shares, customer bases, sales forces, product offerings and technology and marketing expertise, which may make it more difficult for us to compete.

We may incur substantial expenses defending the Company against claims of infringement.

There are numerous patents held by many companies relating to the design and manufacture of data and analytics solutions. Third parties may claim that our products and/or services infringe on their intellectual property rights. Any claim, with or without merit, could consume management's time, result in costly litigation, cause delays in sales or implementation of products or services or require entry into royalty or licensing agreements. In this respect, patent and other intellectual property litigation is becoming increasingly more expensive in terms of legal fees, expert fees and other expenses. Royalty and licensing agreements, if required and available, may be on terms unacceptable to us or detrimental to our business. Moreover, a successful claim of product infringement against us or our failure or inability to license the infringed or similar technology on commercially reasonable terms could seriously harm our business.

Our bylaws designate the Court of Chancery of the State of Delaware as the sole and exclusive forum for certain actions, including derivative actions, which could limit a stockholder's ability to bring a claim in a judicial forum that it finds favorable for disputes with the Company and its directors, officers, other employees, or the Company's stockholders and may discourage lawsuits with respect to such claims.

Unless we consent in writing to the selection of an alternative forum, the sole and exclusive forum for (i) any derivative action or proceeding brought against or on behalf of the Company, (ii) any action asserting a claim of breach of a duty owed by any current or former director, officer, other employee or stockholder of the Company to the Company or the Company's stockholders, (iii) any action asserting a claim arising pursuant to any provision of the Delaware General Corporation Law, (iv) any action as to which the Delaware General Corporation Law confers jurisdiction upon the Court of Chancery in the State of Delaware, or (v) any action asserting a claim governed by the internal affairs doctrine, shall, to the fullest extent permitted by law, be the Court of Chancery in the State of Delaware (or, only if the Court of Chancery in the State of Delaware declines to accept jurisdiction over a particular matter, any state or federal court located within the State of Delaware). However, Section 27 of the Exchange Act creates exclusive federal jurisdiction over all suits brought to enforce any duty or liability created by the Exchange Act or the rules and regulations thereunder, and as such, the exclusive jurisdiction clauses set forth above would not apply to such suits. Furthermore, Section 22 of the Securities Act provides for concurrent jurisdiction for federal and state courts over all suits brought to enforce any duty or liability created by the Securities Act or the rules and regulations thereunder, and as such, the exclusive jurisdiction clauses set forth above would not apply to such suits.

Although we believe the exclusive forum provision benefits us by providing increased consistency in the application of Delaware law for the specified types of actions and proceedings, this provision may limit a stockholder's ability to bring a claim in a judicial forum that it finds favorable for disputes with the Company and its directors, officers, or other employees and may discourage lawsuits with respect to such claims.

We could be negatively impacted by the recent outbreak of coronavirus (COVID-19).

In light of the uncertain and rapidly evolving situation relating to the spread of the coronavirus (COVID-19) in the United States, this public health concern, if prolonged, could negatively impact our business. The extent to which the coronavirus (COVID-19) may impact our business will depend on future developments, which are highly uncertain and cannot be predicted at this time.

Risks Related to Our Common Stock

Our stock price has been and may continue to be volatile, and the value of an investment in our common stock may decline.

The trading price of our common stock has been and is likely to continue to be highly volatile and could be subject to wide fluctuations in response to various factors, some of which are beyond our control. These factors could include:

- additions or departures of key personnel;
- changes in governmental regulations or in the status of our regulatory approvals;
- changes in earnings estimates or recommendations by securities analysts;
- any major change in our board or management;
- general economic conditions and slow or negative growth of our markets; and
- political instability, natural disasters, war and/or events of terrorism.

From time to time, we estimate the timing of the accomplishment of various commercial and other product development goals or milestones. Also, from time to time, we expect that we will publicly announce the anticipated timing of some of these milestones. All of these milestones are based on a variety of assumptions. The actual timing of these milestones can vary dramatically compared to our estimates, in some cases for reasons beyond our control. If we do not meet these milestones as publicly announced, our stock price may decline.

In addition, the stock market has experienced extreme price and volume fluctuations that have often been unrelated or disproportionate to the operating performance of publicly traded companies. Broad market and industry factors may seriously affect the market price of companies' stock, including ours, regardless of actual operating performance. These fluctuations may be even more pronounced in the trading market for our stock. In addition, in the past, following periods of volatility in the overall market and the market price of a particular company's securities, securities class action litigation has often been instituted against these companies. This litigation, if instituted against us, could result in substantial costs and a diversion of our management's attention and resources.

Future issuances of shares of our common stock in connection with acquisitions or pursuant to our stock incentive plans could have a dilutive effect on your investment.

Since the Spin-off and through December 31, 2019, we issued an aggregate of 710,299 shares of our common stock in connection with vesting of awards made under the Red Violet, Inc. 2018 Stock Incentive Plan (the "2018 Plan"). Also, as of December 31, 2019, 12,250 shares underlying awards made under the 2018 Plan have vested but have not been delivered, and an additional 2,237,827 shares underlying awards made under the 2018 Plan are scheduled to vest and be delivered through 2022. Pursuant to the 2018 Plan, our board of directors may grant stock options, restricted stock units ("RSUs"), or other equity awards to our directors and employees. Future acquisitions may involve the issuance of our common stock as payment, in part or in full, for the business or assets acquired. The benefits derived by us from an acquisition might not exceed the dilutive effect of the shares issued as part of the acquisition. Pursuant to the potential plans, our board of directors may grant stock options, RSUs, or other equity awards to our directors and employees. When these awards vest or are exercised, the issuance of shares of common stock underlying these awards will have a dilutive effect on our common stock.

The concentration of our stock ownership may limit individual stockholder ability to influence corporate matters.

As of December 31, 2019, officers and directors of the Company owned 6% of our common stock (13% on a fully diluted basis). In addition, two other significant stockholders of the Company owned 39% of our common stock (35% on a fully diluted basis). As a result, these stockholders may be in a position to exert significant influence over all matters requiring stockholder approval, including the election of directors and determination of significant corporate actions. The interests of these stockholders may not always coincide with the interests of other stockholders, and these stockholders may act in a manner that advances their interests and not necessarily those of other stockholders, and might affect the prevailing market price for our securities.

We are an "emerging growth company," and we cannot be certain if the reduced reporting requirements available to emerging growth companies will make our shares of common stock less attractive to investors.

We are an "emerging growth company," as defined in Section 2(a) of the Securities Act. For as long as we continue to be an emerging growth company, we may take advantage of exemptions from various reporting requirements that are applicable to other public companies. We cannot predict if investors will find our shares of common stock to be less attractive because we may rely on these exemptions. If some investors find our shares of common stock less attractive as a result, there may be a less active trading market for our shares of common stock and our share price may be more volatile.

We expect that we may need additional capital in the future; however, such capital may not be available to us on reasonable terms, if at all, when or as we require additional funding. If we issue additional shares of our common stock or other securities that may be convertible into, or exercisable or exchangeable for, our common stock, our existing stockholders would experience further dilution.

Although we expect that we may need additional capital in the future, we cannot be certain that it will be available to us on acceptable terms when required, or at all. Disruptions in the global equity and credit markets may limit our ability to access capital. Since the Spin-off and through December 31, 2019, we issued an aggregate of 681,000 shares of our common stock in connection with a registered direct offering. To the extent that we raise additional funds by issuing equity securities, our shareholders would experience dilution, which may be significant and could cause the market price of our common stock to decline significantly. Any debt financing, if available, may restrict our operations. If we are unable to raise additional capital when required or on acceptable terms, we may have to significantly delay, scale back or discontinue certain operations. Any of these events could significantly harm our business and prospects and could cause our stock price to decline.

Item 1B. Unresolved Staff Comments.

None.

Item 2. Properties.

Our headquarters are located at 2650 North Military Trail, Suite 300, Boca Raton, Florida 33431, where we lease 21,020 rentable square feet of office space in accordance with an 89-month lease agreement as amended and effective in January 2017. Our Seattle office is located at 1111 Third Avenue, Seattle, Washington 98101, where we lease 6,003 rentable square feet of office space in accordance with a 90-month lease agreement entered into in April 2017.

Item 3. Legal Proceedings.

The Company is not currently a party to any legal proceeding, investigation or claim which, in the opinion of the management, is likely to have a material adverse effect on the business, financial condition, results of operations or cash flows. Legal fees associated with such legal proceedings, are expensed as incurred. We review legal proceedings and claims on an ongoing basis and follow appropriate accounting guidance, including ASC 450, when making accrual and disclosure decisions. We establish accruals for those contingencies where the incurrence of a loss is probable and can be reasonably estimated, and we disclose the amount accrued and the amount of a reasonably possible loss in excess of the amount accrued, if such disclosure is necessary for our financial statements to not be misleading. To estimate whether a loss contingency should be accrued by a charge to income, we evaluate, among other factors, the degree of probability of an unfavorable outcome and the ability to make a reasonable estimate of the amount of the loss. We do not record liabilities when the likelihood that the liability has been incurred is probable, but the amount cannot be reasonably estimated.

In addition to the foregoing, we may be involved in litigation from time to time in the ordinary course of business. We do not believe that the ultimate resolution of any such matters will have a material adverse effect on our business, financial condition, results of operations or cash flows. However, the results of such matters cannot be predicted with certainty and we cannot assure you that the ultimate resolution of any legal or administrative proceeding or dispute will not have a material adverse effect on our business, financial condition, results of operations and cash flows.

Item 4. Mine Safety Disclosures.

Not Applicable.

PART II

Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities.

Our common stock is listed on The NASDAQ Capital Market ("NASDAQ") under the symbol "RDVT," and began regular-way trading on March 27, 2018. We paid no dividends or made any other distributions in respect of our common stock since March 27, 2018, and we have no plans to pay any dividends or make any other distributions in the future.

As of March 9, 2020, there were 11,590,015 shares of our common stock issued and outstanding. As of March 9, 2020, there were 40 record holders of our common stock.

Recent Sale of Unregistered Securities

None.

Item 6. Selected Financial Data.

As a smaller reporting company as defined in Rule 12b-2 of the Exchange Act, we are not required to include information otherwise required by this item.

Item 7. Management’s Discussion and Analysis of Financial Condition and Results of Operations.

You should read the following discussion in conjunction with our consolidated financial statements and related notes included in this Annual Report on Form 10-K (“2019 Form 10-K”). This 2019 Form 10-K contains certain forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 (“PSLRA”), Section 27A of the Securities Act of 1933, as amended (the “Securities Act”), and Section 21E of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), about our expectations, beliefs, or intentions regarding our business, financial condition, results of operations, strategies, or prospects. You can identify forward-looking statements by the fact that these statements do not relate strictly to historical or current matters. Rather, forward-looking statements relate to anticipated or expected events, activities, trends, or results as of the date they are made. Because forward-looking statements relate to matters that have not yet occurred, these statements are inherently subject to risks and uncertainties that could cause our actual results to differ materially from any future results expressed or implied by the forward-looking statements. Many factors could cause our actual activities or results to differ materially from the activities and results anticipated in forward-looking statements. These factors include those contained in Part I, “Item 1A. Risk Factors” of this 2019 Form 10-K. We do not undertake any obligation to update forward-looking statements, except as required by law. We intend that all forward-looking statements be subject to the safe harbor provisions of PSLRA. These forward-looking statements are only predictions and reflect our views as of the date they are made with respect to future events and financial performance.

Overview

Red Violet, Inc. (“we,” “us,” “our,” “red violet,” or the “Company”), a Delaware corporation, is dedicated to making the world a safer place and reducing the cost of doing business. We specialize in data fusion and analytics, providing cloud-based, mission-critical solutions to enterprises with use cases including fraud detection, risk mitigation, due diligence and marketing. Through our intelligent platform, CORE™, we uncover the relevance of disparate data points utilizing our analytical capabilities to provide real-time and insightful views of people, businesses, assets and their interrelationships.

Leveraging proprietary technology and applying machine learning and advanced analytical and decision-making capabilities, CORE provides compelling solutions to public and private sector organizations through intuitive, easy-to-use analytical applications. We empower clients across markets and industries to better execute all aspects of their business, from managing risk, recovering debt, identifying fraud and abuse, and ensuring legislative compliance, to identifying and acquiring customers. With a massive data repository of approximately nine petabytes of public-record, proprietary and publicly-available data, as well as self-reported consumer information and behavioral signals, we transform data into intelligence for our customers to enable better data-driven decisioning.

We presently market our solutions primarily through two brands, idiCORE™, our flagship product, and FOREWARN®. idiCORE is a next-generation, investigative solution used to address a variety of organizational challenges including due diligence, risk mitigation, identity authentication and legislative compliance, by financial services companies, insurance companies, healthcare companies, law enforcement and government, collections, law firms, retail, telecommunication companies, corporate security and investigative firms. FOREWARN is an app-based solution currently tailored for the real estate industry, providing instant knowledge prior to face-to-face engagement with a consumer, helping professionals identify and mitigate risk. As of December 31, 2019 and 2018, idiCORE had 5,064 and 3,627 billable customers and FOREWARN had 30,577 and 11,397 users, respectively.

We generate substantially all of our revenue from licensing our solutions. Customers access our solutions through a hosted environment using an online interface, batch processing, API and custom integrations. We recognize revenue from licensing fees (a) on a transactional basis determined by the customer’s usage, (b) via a monthly fee or (c) from a combination of both. Revenue pursuant to pricing contracts containing a monthly fee is recognized ratably over the contract period. Pricing contracts are generally annual contracts or longer, with auto renewal. Revenue from pricing contracts represented 65% and 58% of total revenue for the years ended December 31, 2019 and 2018, respectively.

Our go-to-market strategy leverages (a) an inside sales team that cultivates relationships, and ultimately closes business, with their end-user markets, (b) a strategic sales team that provides a more personal, face-to-face approach for major accounts within certain industries, and (c) distributors, resellers, and strategic partners that have a significant foothold in many of the industries that we have not historically served, as well as to further penetrate those industries that we do serve. Our sales model generally begins with a free trial followed by an initial purchase on a transactional basis or minimum-committed monthly spend. As organizations derive benefits from our solutions, we are able to “land and expand” within larger organizations as additional use cases expand across departments, divisions and geographic locations and customers become increasingly reliant on our solutions in their daily workflow.

On March 26, 2018, Fluent, Inc. (“Fluent”) spun off its risk management business by way of a distribution of all of the shares of common stock of its then wholly-owned subsidiary, red violet, to its stockholders as of the record date and certain warrant holders (the “Spin-off”). Upon the Spin-off, red violet owned Fluent subsidiaries that previously operated Fluent’s risk management business, and red violet became an independent public company. For periods prior to the Spin-off, these financial statements were prepared on a consolidated and combined basis because certain of the entities were under common control.

In order for us to continue to develop new products, grow our existing business and expand into additional markets, we must generate and sustain sufficient operating profits and cash flow in future periods. This will require us to generate additional sales from current products and new products currently under development. We are building out our sales organization to drive current products and to introduce new products into the market place. We will incur increased compensation expenses relating to our sales and marketing, executive and administrative, product development and infrastructure-related personnel as we increase headcount in the next 12 months.

Industry Trends and Uncertainties

Operating results are affected by the following factors that impact the big data and analytics sector in the United States:

- The macroeconomic conditions, including the availability of affordable credit and capital, interest rates, inflation, employment levels and consumer confidence, influence our revenue. Macroeconomic conditions also have a direct impact on overall technology, marketing and advertising expenditures in the U.S. As marketing budgets are often more discretionary in nature, they are easier to reduce in the short term as compared to other corporate expenses. Future widespread economic slowdowns in any of the industries or markets our clients serve could reduce the technology and marketing expenditures of our clients and prospective customers.
- Our revenue is also significantly influenced by industry trends, including the demand for business analytics services in the industries we serve. Companies are increasingly relying on business analytics and big-data technologies to help process data in a cost-efficient manner. As customers have gained the ability to rapidly aggregate data generated by their own activities, they are increasingly expecting access to real-time data and analytics from their service providers as well as solutions that fully integrate into their workflows. The increasing number and complexity of regulations centered around data and provision of information services makes operations for businesses in the big data and analytic sector more challenging.
- The enactment of new or amended legislation or industry regulations pertaining to consumer or private sector privacy issues could have a material adverse impact on information and marketing services. Legislation or industry regulations regarding consumer or private sector privacy issues could place restrictions upon the collection, sharing and use of information that is currently legally available, which could materially increase our cost of collecting and maintaining some data. These types of legislation or industry regulations could also prohibit us from collecting or disseminating certain types of data, which could adversely affect our ability to meet our clients’ requirements and our profitability and cash flow targets.

Company Specific Trends and Uncertainties

Our operating results are also directly affected by company-specific factors, including the following:

- Some of our competitors have substantially greater financial, technical, sales and marketing resources, better name recognition and a larger customer base. Even if we introduce advanced products that meet evolving customer requirements in a timely manner, there can be no assurance that our new products will gain market acceptance.
- Certain companies in the big data and analytics sector have expanded their product lines or technologies in recent years as a result of acquisitions. Further, more companies have developed products which conform to existing and emerging industry standards and have sought to compete on the basis of price. We anticipate increased competition from large data and analytics vendors. Increased competition in the big data and analytics sector could result in significant price competition, reduced profit margins or loss of market share, any of which could have a material adverse effect on our business, operating results and financial condition. There can be no assurance that we will be able to compete successfully in the future with current or new competitors.

Critical Accounting Policies and Estimates

Management's discussion and analysis of financial condition and results of operations are based upon our consolidated financial statements, which have been prepared in accordance with accounting principles generally accepted in the United States ("US GAAP"). The preparation of these financial statements requires us to make estimates and judgments that affect the reported amounts of assets, liabilities, revenue and expenses, and related disclosure of contingent assets and liabilities. On an ongoing basis, we evaluate our estimates, including those related to the allowance for doubtful accounts, useful lives of property and equipment and intangible assets, recoverability of the carrying amounts of goodwill and intangible assets, share-based compensation and income tax provision. We base our estimates on historical experience and on various other assumptions that are believed to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates under different assumptions or conditions.

We believe the following critical accounting policies govern our more significant judgments and estimates used in the preparation of our consolidated financial statements.

Revenue recognition

On January 1, 2018, the Company adopted ASC 606, "Revenue from Contracts with Customers," ("Topic 606") using the modified retrospective method applied to all contracts that were not completed contracts at the date of initial application. There was no impact on the opening accumulated deficit as of January 1, 2018 due to the adoption of Topic 606. Revenue is recognized when control of goods or services is transferred to the Company's customers, in an amount that reflects the consideration the Company expects to be entitled to in exchange for those goods or services. The Company's performance obligation is to provide on demand solutions to its customers by leveraging its proprietary technology and applying machine learning and advanced analytics to its massive data repository. The pricing for the customer contracts is based on usage, a monthly fee, or a combination of both.

Revenue is generally recognized on (a) a transactional basis determined by the customers' usage, (b) a monthly fee or (c) a combination of both. Revenue pursuant to transactions determined by the customers' usage is recognized when the transaction is complete, and either party may terminate the transactional agreement at any time. Revenue pursuant to contracts containing a monthly fee is recognized ratably over the contract period, which is generally 12 months, and the contract shall automatically renew for additional, successive 12-month terms unless written notice of intent not to renew is provided by one party to the other at least 30 days or 60 days prior to the expiration of the then current term. The Company's revenue is recorded net of applicable sales taxes billed to customers.

Available within Topic 606, the Company has applied the portfolio approach practical expedient in accounting for customer revenue as one collective group, rather than individual contracts. Based on the Company's historical knowledge of the contracts contained in this portfolio and the similar nature and characteristics of the customers, the Company has concluded the financial statement effects are not materially different than if accounting for revenue on a contract by contract basis.

Revenue is recognized over a period of time since the performance obligation is delivered in a series. The Company's customers simultaneously receive and consume the benefits provided by the Company's performance as and when provided. Furthermore, the Company has elected the "right to invoice" practical expedient, available within Topic 606, as its measure of progress, since it has a right to payment from a customer in an amount that corresponds directly with the value of its performance completed-to-date. The Company's revenue arrangements do not contain significant financing components.

For the years ended December 31, 2019 and 2018, 65% and 58% of total revenue was attributable to customers with pricing contracts, respectively, versus 35% and 42% attributable to transactional customers, respectively. Pricing contracts are generally annual contracts or longer, with auto renewal.

If a customer pays consideration before the Company transfers services to the customer, those amounts are classified as deferred revenue. As of December 31, 2019 and 2018, the balance of deferred revenue was \$128 and \$26, respectively, all of which is expected to be realized in the next 12 months. In relation to the deferred revenue balance as of December 31, 2018, \$26 was recognized into revenue during the year ended December 31, 2019.

As of December 31, 2019, \$2,929 of revenue is expected to be recognized in the future for performance obligations that are unsatisfied or partially unsatisfied, related to pricing contracts that have a term of more than 12 months. \$1,820 of revenue will be recognized in 2020, \$1,106 in 2021, and \$3 in 2022. The actual timing of recognition may vary due to factors outside of the Company's control. The Company excludes variable consideration related entirely to wholly unsatisfied performance obligations and contracts and recognizes such variable consideration based upon the right to invoice the customer.

Sales commissions are incurred and recorded on an ongoing basis over the term of the customer relationship. These costs are recorded in sales and marketing expenses.

In addition, the Company elected the practical expedient to not disclose the value of unsatisfied performance obligations for (i) contracts with an original expected length of one year or less and (ii) contracts for which the Company recognizes revenue at the amount to which it has the right to invoice for services performed.

Allowances for doubtful accounts

We maintain allowance for doubtful accounts for estimated losses resulting from the inability of our customers to make required payments. Management determines whether an allowance needs to be provided for an amount due from a customer depending on the aging of the individual receivable balance, recent payment history, contractual terms and other qualitative factors such as status of business relationship with the customer. Historically, our estimates for doubtful accounts have not differed materially from actual results. The amount of the allowance for doubtful accounts was \$0.04 million and \$0.1 million as of December 31, 2019 and 2018, respectively.

Income taxes

We account for income taxes in accordance with ASC 740, "Income Taxes," which requires the use of the asset and liability method of accounting for income taxes. Under the asset and liability method, deferred tax assets and liabilities are computed based upon the difference between the financial statement and income tax basis of assets and liabilities using the enacted tax rate applicable when the related asset or liability is expected to be realized or settled. Deferred income tax expenses or benefits are based on the changes in the asset or liability each period. If available evidence suggests that it is more likely than not that some portion or all of the deferred tax assets will not be realized, a valuation allowance is required to reduce the deferred tax assets to the amount that is more likely than not to be realized. As of December 31, 2019 and 2018, we had a valuation allowance of \$5.1 million and \$2.3 million, respectively. Future changes in such valuation allowance are included in the provision for deferred income taxes in the period of change.

ASC 740 clarifies the accounting for uncertain tax positions. This interpretation requires that an entity recognizes in the consolidated financial statements the impact of a tax position, if that position is more likely than not of being sustained upon examination, based on the technical merits of the position. Recognized income tax positions are measured at the largest amount that is greater than 50% likely of being realized. Changes in recognition or measurement are reflected in the period in which the change in judgment occurs. The Company's accounting policy is to accrue interest and penalties related to uncertain tax positions, if and when required, as interest expense and a component of other expenses, respectively, in the consolidated statements of operations.

Intangible assets other than goodwill

Our intangible assets are initially recorded at the capitalized actual costs incurred, their acquisition cost, or fair value if acquired as part of a business combination, and amortized on a straight-line basis over their respective estimated useful lives, which are the periods over which the assets are expected to contribute directly or indirectly to the future cash flows of the Company. The Company's intangible assets represent software developed for internal use. Intangible assets have estimated useful lives of 5-10 years.

In accordance with ASC 350-40, "*Software — internal use software*," we capitalize eligible costs, including salaries and staff benefits, share-based compensation, travel expenses incurred by relevant employees, and other relevant costs of developing internal-use software that are incurred in the application development stage when developing or obtaining software for internal use. Once the software developed for internal use is ready for its intended use, it is amortized on a straight-line basis over its useful life.

Goodwill

In accordance with ASC 350, "*Intangibles - Goodwill and Other*," goodwill is tested at least annually for impairment, or when events or changes in circumstances indicate that the carrying amount of such assets may not be recoverable, by assessing qualitative factors or performing a quantitative analysis in determining whether it is more likely than not that its fair value exceeds the carrying value. A quantitative assessment involves determining the fair value of each reporting unit using market participant assumptions. An entity should recognize an impairment charge for the amount by which the carrying amount of a reporting unit exceeds its fair value up to the amount of goodwill allocated to that reporting unit.

On October 1, 2019 and 2018, we performed qualitative assessments on the reporting unit and, based on this assessment, no events have occurred to indicate that it is more likely than not that the fair value of the reporting unit is less than its carry amount. We concluded that goodwill was not impaired as of December 31, 2019 and 2018.

For purposes of reviewing impairment and the recoverability of goodwill, we must make various assumptions regarding estimated future cash flows and other factors in determining the fair values of the reporting unit, including market multiples, discount rates, etc.

Impairment of long-lived assets

Finite-lived intangible assets are amortized over their respective useful lives and, along with other long-lived assets, are evaluated for impairment periodically whenever events or changes in circumstances indicate that their related carrying amounts may not be recoverable in accordance with ASC 360-10-15, "*Impairment or Disposal of Long-Lived Assets*." In evaluating long-lived assets for recoverability, including finite-lived intangibles and property and equipment, the Company uses its best estimate of future cash flows expected to result from the use of the asset and eventual disposition in accordance with ASC 360-10-15. To the extent that estimated future undiscounted cash inflows attributable to the asset, less estimated future undiscounted cash outflows, are less than the carrying amount, an impairment loss is recognized in an amount equal to the difference between the carrying value of such asset and its fair value. Assets to be disposed of and for which there is a committed plan of disposal, whether through sale or abandonment, are reported at the lower of carrying value or fair value less costs to sell.

Asset recoverability is an area involving management judgment, requiring assessment as to whether the carrying value of assets can be supported by the undiscounted future cash flows. In calculating the future cash flows, certain assumptions are required to be made in respect of highly uncertain matters such as revenue growth rates, gross margin percentages and terminal growth rates.

We concluded there was no impairment as of December 31, 2019 and 2018.

Share-based compensation

We account for share-based compensation to employees in accordance with ASC 718, "*Compensation—Stock Compensation*." Under ASC 718, we measure the cost of employee services received in exchange for an award of equity instruments based on the grant-date fair value of the award and, for those awards subject only to service condition, recognizes the costs on a straight-line basis over the period the employee is required to provide service in exchange for the award, which generally is the vesting period. For awards with performance and service conditions, we begin recording share-based compensation when achieving the performance criteria is probable and we recognize the costs using the accelerated attribution method.

The fair value of restricted stock units (“RSUs”) is determined based on the number of shares granted and the quoted price of our common stock. The estimated number of stock awards that will ultimately vest requires judgment, and to the extent actual results or updated estimates differ from our current estimates, such amount will be recorded as a cumulative adjustment in the period estimates are revised. Changes in our estimates and assumptions may cause us to realize material changes in share-based compensation expense in the future.

We have issued share-based awards with performance-based vesting criteria. Achievement of the milestones must be probable before we begin recording share-based compensation expense. When the performance-based vesting criteria is considered probable, we begin to recognize compensation expense at that time. In the period that achievement of the performance-based criteria is deemed probable, US GAAP requires the immediate recognition of all previously unrecognized compensation since the original grant date. As a result, compensation expense recorded in the period that achievement is deemed probable could include a substantial amount of previously unrecorded compensation expense related to the prior periods. For any share-based awards where performance-based vesting criteria is no longer considered probable, previously recognized compensation cost would be reversed. As of December 31, 2019, we have deemed the achievement of the performance-based criteria to be probable for all share-based awards with performance-based vesting criteria.

We apply ASU 2018-07, “*Improvements to Nonemployee Share-Based Payment Accounting*,” which generally expands the scope of ASC 718, *Compensation – Stock Compensation*, to include share-based payment transactions for acquiring goods and services from nonemployees and supersedes the guidance in ASC 505-50, *Equity-Based Payments to Non-employees*, which previously included the accounting for nonemployee awards.

Recently Issued Accounting Standards

See Item 8 of Part II, “Financial Statements and Supplementary Data – Note 2. Summary of significant accounting policies - (s) *Recently issued accounting standards*.”

Fourth Quarter Financial Results

For the three months ended December 31, 2019 as compared to the three months ended December 31, 2018:

- Total revenue increased 92% to \$9.1 million.
- Net loss was \$4.9 million (including share-based compensation expense of \$4.6 million, which includes a one-time \$2.3 million) as compared to \$2.0 million (including share-based compensation expense of \$0.3 million).
- Adjusted EBITDA was \$0.8 million as compared to a negative \$1.0 million.
- Gross profit increased 155% to \$4.9 million. Gross margin increased to 54% from 41%.
- Adjusted gross profit increased 134% to \$5.6 million. Adjusted gross margin increased to 62% from 51%.

Full Year Financial Results

For the year ended December 31, 2019 as compared to the year ended December 31, 2018:

- Total revenue increased 86% to \$30.3 million.
- Net loss was \$11.1 million (including share-based compensation expense of \$9.9 million) as compared to \$6.9 million (including share-based compensation expense of \$0.7 million).
- Adjusted EBITDA was \$1.9 million as compared to a negative \$4.3 million.
- Gross profit increased 159% to \$15.4 million. Gross margin increased to 51% from 36%.
- Adjusted gross profit increased 135% to \$18.0 million. Adjusted gross margin increased to 60% from 47%.

Use and Reconciliation of Non-GAAP Financial Measures

Management evaluates the financial performance of our business on a variety of key indicators, including non-GAAP metrics of adjusted EBITDA, adjusted gross profit and adjusted gross margin. Adjusted EBITDA is a financial measure equal to net loss, the most directly comparable financial measure based on US GAAP, excluding interest income, net, depreciation and amortization, share-based compensation expense, litigation costs, net, sales and use tax expense, insurance proceeds in relation to settled litigation, transition service income, and write-off of long-lived assets and others, as noted in the tables below. We define adjusted gross profit as revenue less cost of revenue (exclusive of depreciation and amortization), and adjusted gross margin as adjusted gross profit as a percentage of revenue.

| (In thousands) | Three Months Ended December 31, | | Year Ended December 31, | |
|------------------------------------------------------|---------------------------------|-------------------|-------------------------|-------------------|
| | 2019 | 2018 | 2019 | 2018 |
| Net loss | \$ (4,856) | \$ (2,038) | \$ (11,076) | \$ (6,868) |
| Interest income, net | (13) | (53) | (136) | (84) |
| Depreciation and amortization | 840 | 559 | 2,889 | 1,996 |
| Share-based compensation expense | 4,623 | 277 | 9,913 | 709 |
| Litigation costs, net | - | 248 | 54 | 382 |
| Sales and use tax expense | 205 | - | 205 | - |
| Insurance proceeds in relation to settled litigation | - | - | - | (350) |
| Transition service income | - | (4) | - | (218) |
| Write-off of long-lived assets and others | 3 | - | 44 | 92 |
| Adjusted EBITDA | <u>\$ 802</u> | <u>\$ (1,011)</u> | <u>\$ 1,893</u> | <u>\$ (4,341)</u> |

The following is a reconciliation of gross profit, the most directly comparable GAAP financial measure, to adjusted gross profit:

| (In thousands) | Three Months Ended December 31, | | Year Ended December 31, | |
|--------------------------------------------------------------|---------------------------------|-----------------|-------------------------|-----------------|
| | 2019 | 2018 | 2019 | 2018 |
| Revenue | \$ 9,050 | \$ 4,708 | \$ 30,286 | \$ 16,302 |
| Cost of revenue (exclusive of depreciation and amortization) | 3,414 | 2,304 | 12,257 | 8,638 |
| Depreciation and amortization of intangible assets | 777 | 495 | 2,637 | 1,730 |
| Gross profit | 4,859 | 1,909 | 15,392 | 5,934 |
| Depreciation and amortization of intangible assets | 777 | 495 | 2,637 | 1,730 |
| Adjusted gross profit | <u>\$ 5,636</u> | <u>\$ 2,404</u> | <u>\$ 18,029</u> | <u>\$ 7,664</u> |
| Gross margin | 54% | 41% | 51% | 36% |
| Adjusted gross margin | <u>62%</u> | <u>51%</u> | <u>60%</u> | <u>47%</u> |

In order to assist readers of our consolidated financial statements in understanding the operating results that management uses to evaluate the business and for financial planning purposes, we present non-GAAP measures of adjusted EBITDA, adjusted gross profit and adjusted gross margin as supplemental measures of our operating performance. We believe they provide useful information to our investors as they eliminate the impact of certain items that we do not consider indicative of our cash operations and ongoing operating performance. In addition, we use them as an integral part of our internal reporting to measure the performance and operating strength of our business.

We believe adjusted EBITDA, adjusted gross profit and adjusted gross margin are relevant and provide useful information frequently used by securities analysts, investors and other interested parties in their evaluation of the operating performance of companies similar to ours and are indicators of the operational strength of our business. We believe adjusted EBITDA eliminates the uneven effect of considerable amounts of non-cash depreciation and amortization, share-based compensation expense and the impact of other non-recurring items, providing useful comparisons versus prior periods or forecasts. Our adjusted gross profit is a measure used by management in evaluating the business's current operating performance by excluding the impact of prior historical costs of assets that are expensed systematically and allocated over the estimated useful lives of the assets, which may not be indicative of the current operating activity. Our adjusted gross profit is calculated by using revenue, less cost of revenue (exclusive of depreciation and amortization). We believe adjusted gross profit provides useful information to our investors by eliminating the impact of non-cash depreciation and amortization, and specifically the amortization of software developed for internal use, providing a baseline of our core operating results that allow for analyzing trends in our underlying business consistently over multiple periods. Adjusted gross margin is calculated as adjusted gross profit as a percentage of revenue.

Adjusted EBITDA, adjusted gross profit and adjusted gross margin are not intended to be performance measures that should be regarded as an alternative to, or more meaningful than, financial measures presented in accordance with GAAP. The way we measure adjusted EBITDA, adjusted gross profit and adjusted gross margin may not be comparable to similarly titled measures presented by other companies, and may not be identical to corresponding measures used in our various agreements.

Results of Operations

Year ended December 31, 2019 compared to year ended December 31, 2018

Revenue. Revenue increased \$14.0 million or 86% to \$30.3 million for the year ended December 31, 2019 from \$16.3 million for the year ended December 31, 2018. This increase was driven by strong growth in volume from onboarding of new customers and usage from existing customers. Revenue from new customers increased \$1.8 million or 52%, base revenue from existing customers increased \$9.9 million or 94%, and growth revenue from existing customers increased \$2.3 million or 100% for the year ended December 31, 2019 compared to the year ended December 31, 2018, respectively. Our idiCORE billable customer base grew from 3,627 customers as of December 31, 2018 to 5,064 customers as of December 31, 2019. Revenue from new customers represents the total monthly revenue generated from new customers in a given period. A customer is defined as a new customer during the first six months of revenue generation. Base revenue from existing customers represents the total monthly revenue generated from existing customers in a given period that does not exceed the customers' trailing six-month average revenue. A customer is defined as an existing customer six months after their initial month of revenue. Growth revenue from existing customers represents the total monthly revenue generated from existing customers in a given period in excess of the customers' trailing six-month average revenue.

Cost of revenue (exclusive of depreciation and amortization). Cost of revenue increased \$3.7 million or 42% to \$12.3 million for the year ended December 31, 2019 from \$8.6 million for the year ended December 31, 2018. Our cost of revenue primarily includes data acquisition costs. Data acquisition costs consist primarily of the costs to acquire data either on a transactional basis or through flat-fee data licensing agreements, including unlimited usage agreements. We continue to enhance the breadth and depth of our data through the addition and expansion of relationships with key data suppliers, including our largest data supplier, which accounted for approximately 40% of our total data acquisition costs for the year ended December 31, 2019 compared to approximately 46% for the year ended December 31, 2018. Other cost of revenue items include expenses related to third-party infrastructure fees.

As the construct of our data costs is primarily a flat-fee, unlimited usage model, the cost of revenue as a percentage of revenue decreased to 40% for the year ended December 31, 2019 from 53% for the year ended December 31, 2018. We expect that cost of revenue as a percentage of revenue will continue to decrease over the coming years as our revenue increases. Historically, at scale, the industry business model's cost of revenue will trend between 15% and 30% as a percentage of revenue.

Sales and marketing expenses. Sales and marketing expenses increased \$2.7 million or 58% to \$7.5 million for the year ended December 31, 2019 from \$4.8 million for the year ended December 31, 2018. Sales and marketing expenses consist of salaries and benefits, advertising and marketing, travel expenses, and share-based compensation expense, incurred by our sales team, and provision for bad debts. The increase during the year ended December 31, 2019 was primarily attributable to the \$1.9 million increase in salaries and benefits, as we continue to invest in the expansion of our sales organization, and sales commissions from increased revenue. In addition, \$0.6 million of the total increase was attributable to an increase in share-based compensation expense and provision for bad debts.

General and administrative expenses. General and administrative expenses increased \$10.4 million or 124% to \$18.8 million for the year ended December 31, 2019 from \$8.4 million for the year ended December 31, 2018. The increase during the year ended December 31, 2019 was primarily attributable to the \$8.9 million increase in share-based compensation expense. The increase in share-based compensation expense was as a result of achieving certain performance-based milestones in the second quarter of 2019 and certain new grants issued after the second quarter of 2019, as outlined in Note 11, “Share-based compensation,” included in “Notes to Consolidated Financial Statements.”

For the years ended December 31, 2019 and 2018, our general and administrative expenses consisted primarily of employee salaries and benefits of \$4.7 million and \$3.3 million, share-based compensation expense of \$9.5 million (including a one-time \$2.2 million as a result of achieving certain performance-based milestones) and \$0.6 million, and professional fees of \$2.6 million and \$2.7 million, respectively.

Depreciation and amortization. Depreciation and amortization expenses increased \$0.9 million or 45% to \$2.9 million for the year ended December 31, 2019 from \$2.0 million for the year ended December 31, 2018. The increase in depreciation and amortization for the year ended December 31, 2019 resulted primarily from the amortization of software developed for internal use that became ready for its intended use after December 31, 2018.

Other income, net. There was no other income, net, for the year ended December 31, 2019. For the year ended December 31, 2018, other income, net, consisted primarily of transition service income of \$0.2 million and the insurance proceeds of \$0.4 million in relation to previously settled litigation.

Loss before income taxes. We had a loss before income taxes of \$11.1 million for the year ended December 31, 2019 as compared to \$6.9 million for the year ended December 31, 2018. The increase in loss before income taxes was primarily attributable to the increase in noncash share-based compensation expense of \$9.2 million (\$2.2 million of which is one-time), salaries and benefits and sales commission of \$3.3 million, and depreciation and amortization of \$0.9 million, which was partially offset by the increase in revenue and the decrease in our cost of revenue as a percentage of revenue.

Income taxes. Income tax expense of \$0 was recognized for the years ended December 31, 2019 and 2018. A full valuation allowance on the deferred tax assets was recognized as of December 31, 2019 and 2018. See Note 9, “Income Taxes,” included in “Notes to Consolidated Financial Statements,” for details.

Net loss. A net loss of \$11.1 million was recognized for the year ended December 31, 2019 as compared to \$6.9 million for the year ended December 31, 2018, as a result of the foregoing.

Effect of Inflation

The rates of inflation experienced in recent years have had no material impact on our financial statements. We attempt to recover increased costs by increasing prices for our services, to the extent permitted by contracts and competition.

Liquidity and Capital Resources

Cash flows provided by (used in) operating activities. For the year ended December 31, 2019, net cash provided by operating activities was \$1.6 million, primarily the result of the net loss of \$11.1 million, adjusted for certain non-cash items (consisting of share-based compensation expense, depreciation and amortization, write-off of long-lived assets, provision for bad debts and noncash lease expenses) totaling \$13.8 million, and the cash used as a result of changes in assets and liabilities of \$1.1 million, primarily the result of the increase in accounts receivable, following the increase in revenue. For the year ended December 31, 2018, net cash used in operating activities was \$8.1 million, primarily the result of the net loss of \$6.9 million, adjusted for certain non-cash items (consisting of share-based compensation expense, depreciation and amortization, write-off of long-lived assets, provision for bad debts and allocation of expenses from Fluent, Inc.) totaling \$3.4 million, and the cash used as a result of changes in assets and liabilities of \$4.6 million, primarily the result of the increase in accounts receivable and the decrease in accrued expenses and other current liabilities.

Cash flows used in investing activities. Net cash used in investing activities for the years ended December 31, 2019 and 2018 was \$6.0 million, primarily as a result of capitalized costs included in intangible assets of \$5.9 million in each of the corresponding periods.

Cash flows provided by financing activities. Net cash provided by financing activities for the year ended December 31, 2019 was \$6.2 million as a result of \$7.4 million raised through a registered direct offering in August 2019, which was partially offset by the taxes paid related to net share settlement of vesting of restricted stock units of \$1.3 million. Net cash provided by financing activities for the year ended December 31, 2018 was \$23.9 million (inclusive of the \$20.0 million cash contribution by Fluent to red violet upon the Spin-off) as a result of capital contributed by Fluent.

As of December 31, 2019, we had material commitments under certain data licensing agreements of \$14.8 million. We anticipate funding our operations using available cash and cash flow generated from operations within the next twelve months.

We reported net loss of \$11.1 million and \$6.9 million for the years ended December 31, 2019 and 2018, respectively. As of December 31, 2019, we had a total shareholders' equity balance of \$42.1 million.

As of December 31, 2019, we had cash and cash equivalents of approximately \$11.8 million. Based on projections of growth in revenue and operating results in the next twelve months, and the available cash and cash equivalents held by us, including the net proceeds of \$7.4 million through the registered direct offering in August 2019, we believe that we will have sufficient cash resources to finance our operations and expected capital expenditures for the next twelve months. Subject to revenue growth, we may have to raise capital through the issuance of additional equity and/or debt, which, if we are able to obtain, could have the effect of diluting stockholders. Any equity or debt financings, if available at all, may be on terms which are not favorable to us. If our operations do not generate positive cash flow in the upcoming year, or if we are not able to obtain additional equity or debt financing on terms and conditions acceptable to us, if at all, we may be unable to implement our business plan, or even continue our operations.

Off-Balance Sheet Arrangements

We do not have any outstanding off-balance sheet guarantees, interest rate swap transactions or foreign currency forward contracts. In addition, we do not engage in trading activities involving non-exchange traded contracts. In our ongoing business, we do not enter into transactions involving, or otherwise form relationships with, unconsolidated entities or financial partnerships that are established for the purpose of facilitating off-balance sheet arrangements or other contractually narrow or limited purposes.

FORWARD-LOOKING STATEMENTS

This 2019 Form 10-K contains certain "forward-looking statements" within the meaning of the PSLRA, Section 27A of the Securities Act, and Section 21E of the Exchange Act. Such forward-looking statements contain information about our expectations, beliefs or intentions regarding our product development and commercialization efforts, business, financial condition, results of operations, strategies or prospects. You can identify forward-looking statements by the fact that these statements do not relate strictly to historical or current matters. Rather, forward-looking statements relate to anticipated or expected events, activities, trends or results as of the date they are made. Because forward-looking statements relate to matters that have not yet occurred, these statements are inherently subject to risks and uncertainties that could cause our actual results to differ materially from any future results expressed or implied by the forward-looking statements.

Many factors could cause our actual activities or results to differ materially from the activities and results anticipated in forward-looking statements. These factors include the following:

- We have a history of losses which makes our future results uncertain.
- Our products and services are highly technical and if they contain undetected errors, our business could be adversely affected and we may have to defend lawsuits or pay damages in connection with any alleged or actual failure of our products and services.
- Because our networks and information technology systems are critical to our success, if unauthorized persons access our systems or our systems otherwise cease to function properly, our operations could be adversely affected and we could lose revenue or proprietary information, all of which could materially adversely affect our business.
- We must adequately protect our intellectual property in order to prevent loss of valuable proprietary information.
- We depend, in part, on strategic alliances, joint ventures and acquisitions to grow our business. If we are unable to make strategic acquisitions and develop and maintain these strategic alliances and joint ventures, our growth may be adversely affected.

- If we consummate any future acquisitions, we will be subject to the risks inherent in identifying, acquiring and operating a newly acquired business.
- Our business is subject to various governmental regulations, laws and orders, compliance with which may cause us to incur significant expenses or reduce the availability or effectiveness of our solutions, and the failure to comply with which could subject us to civil or criminal penalties or other liabilities.
- The outcome of litigation, inquiries, investigations, examinations or other legal proceedings in which we are involved, in which we may become involved, or in which our customers or competitors are involved could subject us to significant monetary damages or restrictions on our ability to do business.
- Our relationships with key customers may be materially diminished or terminated.
- If we lose the services of key personnel, it could adversely affect our business.
- If we fail to respond to rapid technological changes in the big data and analytics sector, we may lose customers and/or our products and/or services may become obsolete.
- Our revenue is concentrated in the U.S. market across a broad range of industries. When these industries or the broader financial markets experience a downturn, demand for our services and revenue may be adversely affected.
- We could lose our access to data sources which could prevent us from providing our services.
- Data security and integrity are critically important to our business, and breaches of security, unauthorized access to or disclosure of confidential information, disruption, including distributed denial of service (“DDoS”) attacks or the perception that confidential information is not secure, could result in a material loss of business, substantial legal liability or significant harm to our reputation.
- We face intense competition from both start-up and established companies that may have significant advantages over us and our products.
- There may be further consolidation in our end-customer markets, which may adversely affect our revenue.
- To the extent the availability of free or relatively inexpensive consumer and/or business information increases, the demand for some of our services may decrease.
- If our newer products do not achieve market acceptance, revenue growth may suffer.
- Our products and services can have long sales and implementation cycles, which may result in substantial expenses before realizing any associated revenue.
- If we fail to maintain and improve our systems, our technology, and our interfaces with data sources and customers, demand for our services could be adversely affected.
- If our outside service providers and key vendors are not able to or do not fulfill their service obligations, our operations could be disrupted and our operating results could be harmed.
- Consolidation in the big data and analytics sector may limit market acceptance of our products and services.
- We may incur substantial expenses defending against claims of infringement.
- Our bylaws designate the Court of Chancery of the State of Delaware as the sole and exclusive forum for certain actions, including derivative actions, which could limit a stockholder’s ability to bring a claim in a judicial forum that it finds favorable for disputes with the Company and its directors, officers, other employees, or the Company’s stockholders and may discourage lawsuits with respect to such claims.
- We could be negatively impacted by the recent outbreak of coronavirus (COVID-19).
- Our stock price has been and may continue to be volatile, and the value of an investment in our common stock may decline.
- Future issuances of shares of our common stock in connection with acquisitions or pursuant to our stock incentive plan could have a dilutive effect on your investment.

- The concentration of our stock ownership may limit individual stockholder ability to influence corporate matters.
- We are an “emerging growth company,” and we cannot be certain if the reduced reporting requirements available to emerging growth companies will make our shares of common stock less attractive to investors.
- We expect that we may need additional capital in the future; however, such capital may not be available to us on reasonable terms, if at all, when or as we require additional funding. If we issue additional shares of our common stock or other securities that may be convertible into, or exercisable or exchangeable for, our common stock, our existing stockholders would experience further dilution.

Item 7A. Quantitative and Qualitative Disclosures About Market Risk.

As a smaller reporting company as defined in Rule 12b-2 of the Exchange Act, we are not required to include information otherwise required by this item.

Item 8. Financial Statements and Supplementary Data.

Our Consolidated Financial Statements and the Notes thereto, together with the report thereon of our independent registered public accounting firm are filed as part of this report, beginning on page F-1.

Item 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure.

None.

Item 9A. Controls and Procedures.

Evaluation of Disclosure Controls and Procedures

Our management, with the participation of the Company’s Chief Executive Officer and Chief Financial Officer, evaluated the effectiveness of the Company’s disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) of the Exchange Act) as of December 31, 2019. We maintain disclosure controls and procedures that are designed to provide reasonable assurance that information required to be disclosed in our reports filed or submitted under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the SEC’s rules and forms and that such information is accumulated and communicated to our management, including our Chief Executive Officer and Chief Financial Officer, as appropriate, to allow for timely decisions regarding required disclosure.

Based on the evaluation of disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) of the Exchange Act), the Company’s Chief Executive Officer and Chief Financial Officer concluded that the Company’s disclosure controls and procedures were effective as of December 31, 2019.

Management’s Report on Internal Control over Financial Reporting

Our management is responsible for establishing and maintaining adequate internal control over financial reporting (as defined in Rules 13a-15(f) and 15d-15(f) of the Exchange Act) for the Company. Management, under the supervision of and with the participation of the Company’s Chief Executive Officer and Chief Financial Officer, conducted an assessment of the effectiveness of the Company’s internal control over financial reporting based on the criteria set forth by the Committee of Sponsoring Organizations (COSO) of the Treadway Commission in Internal Control-Integrated Framework (2013). Management concluded that the Company maintained effective internal control over financial reporting (as defined in Rules 13a-15(f) and 15d-15(f) of the Exchange Act) as of December 31, 2019, based on criteria in Internal Control-Integrated Framework (2013) issued by the COSO.

Changes in Internal Control Over Financial Reporting

There were no changes in the Company's internal control over financial reporting identified in connection with management's evaluation pursuant to Rules 13a-15(d) or 15d-15(d) of the Exchange Act during the last fiscal quarter of 2019 that materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

Limitations on Effectiveness of Controls and Procedures and Internal Control over Financial Reporting

In designing and evaluating the disclosure controls and procedures and internal control over financial reporting, management recognizes that any controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving the desired control objectives. In addition, the design of disclosure controls and procedures and internal control over financial reporting must reflect the fact that there are resource constraints and that management is required to apply judgment in evaluating the benefits of possible controls and procedures relative to their costs.

Item 9B. Other Information.

None.

PART III

Item 10. Directors, Executive Officers and Corporate Governance.

The information required by this item is incorporated by reference to the definitive proxy statement for our 2020 Annual Meeting of Stockholders to be filed with the SEC within 120 days of December 31, 2019.

Item 11. Executive Compensation.

The information required by this item is incorporated by reference to the definitive proxy statement for our 2020 Annual Meeting of Stockholders to be filed with the SEC within 120 days of December 31, 2019.

Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters.

The information required by this item is incorporated by reference to the definitive proxy statement for our 2020 Annual Meeting of Stockholders to be filed with the SEC within 120 days of December 31, 2019.

Item 13. Certain Relationships and Related Transactions, and Director Independence.

The information required by this item is incorporated by reference to the definitive proxy statement for our 2020 Annual Meeting of Stockholders to be filed with the SEC within 120 days of December 31, 2019.

Item 14. Principal Accounting Fees and Services.

The information required by this item is incorporated by reference to the definitive proxy statement for our 2020 Annual Meeting of Stockholders to be filed with the SEC within 120 days of December 31, 2019.

PART IV

Item 15. Exhibits, Financial Statement Schedules.

(a) List of documents filed as part of this report:

1. Financial Statements: The information required by this item is contained in Item 8 of this Form 10-K.
2. Financial Statement Schedules: The information required by this item is included in the consolidated financial statements contained in Item 8 of this Form 10-K.
3. Exhibits: The following exhibits are filed as part of, or incorporated by reference into, this Form 10-K.

| Exhibit No. | Exhibit Description | Incorporated by Reference | | | | Filed Herewith |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------|---------|-------------------|----------------|
| | | Form | File No. | Exhibit | Filing Date | |
| 2.1 | Separation and Distribution Agreement by and between Cogint, Inc. and Red Violet, Inc., dated February 27, 2018. | Form 10 | 001-38407 | 2.1 | February 28, 2018 | |
| 3.1 | Amended and Restated Certificate of Incorporation of Red Violet, Inc. | 8-K | 001-38407 | 3.1 | March 27, 2018 | |
| 3.2 | Amended and Restated Bylaws of Red Violet, Inc. | 8-K | 001-38407 | 3.2 | March 27, 2018 | |
| 4.1 | Description of Registrant's Securities. | | | | | X |
| 10.1+ | Form of Restricted Stock Unit Agreement Pursuant to the Red Violet, Inc. 2018 Stock Incentive Plan. | Form 10 | 001-38407 | 10.2 | February 28, 2018 | |
| 10.2 | Amended and Restated Tax Matters Agreement by and between Cogint, Inc. and Red Violet, Inc., dated February 27, 2018. | Form 10 | 001-38407 | 10.3 | February 28, 2018 | |
| 10.3 | Employee Matters Agreement by and between Cogint, Inc. and Red Violet, Inc., dated February 27, 2018. | Form 10 | 001-38407 | 10.4 | February 28, 2018 | |
| 10.4+ | Employment Agreement, dated March 26, 2018, by and between Red Violet and Derek Dubner. | 8-K | 001-38407 | 10.2 | March 27, 2018 | |
| 10.5+ | Employment Agreement, dated March 26, 2018, by and between Red Violet and James Reilly. | 8-K | 001-38407 | 10.3 | March 27, 2018 | |
| 10.6+ | Employment Agreement, dated March 26, 2018, by and between Red Violet and Dan MacLachlan. | 8-K | 001-38407 | 10.4 | March 27, 2018 | |
| 10.7+ | Red Violet, Inc. 2018 Stock Incentive Plan. | 8-K | 001-38407 | 10.5 | March 27, 2018 | |
| 10.8 | Form of Indemnification Agreement. | 8-K | 001-38407 | 10.6 | March 27, 2018 | |
| 10.9+ | Executive Chairman Services Agreement, effective as of August 7, 2018, by and between Red Violet, Inc. and Michael Brauser. | 10-Q | 001-38407 | 10.1 | August 8, 2018 | |
| 10.10+ | Form of 2018 Time- and Performance-Based Restricted Stock Unit Award Agreement. | 10-Q | 001-38407 | 10.2 | November 7, 2018 | |
| 10.11+ | Employment Agreement between Red Violet, Inc. and Jeffrey Dell entered into on April 9, 2019. | 10-Q | 001-38407 | 10.1 | August 5, 2019 | |
| 10.12 | Securities Purchase Agreement, dated as of August 28, 2019. | 8-K | 0001-38407 | 10.1 | August 28, 2019 | |
| 10.13+ | Form of 2019 Time- and Performance-Based Restricted Stock Unit Award Agreement. | | | | | X |
| 21.1 | Subsidiaries of Red Violet, Inc. | | | | | X |
| 23.1 | Consent of Grant Thornton LLP. | | | | | X |
| 31.1 | Certification of Chief Executive Officer filed pursuant to Exchange Act Rules 13a-14(a) and 15d-14(a) of the Securities and Exchange Act of 1934 as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002. | | | | | X |
| 31.2 | Certification of Chief Financial Officer filed pursuant to Exchange Act Rules 13a-14(a) and 15d-14(a) of the Securities and Exchange Act of 1934 as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002. | | | | | X |
| 32.1* | Certification by Chief Executive Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002. | | | | | X |
| 32.2* | Certification by Chief Financial Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002. | | | | | X |
| 101.INS | Inline XBRL Instance Document – the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document. | | | | | X |
| 101.SCH | Inline XBRL Taxonomy Extension Schema Document. | | | | | X |

| | | |
|---------|------------------------------------------------------------------------------|---|
| 101.CAL | Inline XBRL Taxonomy Extension Calculation Linkbase Document. | X |
| 101.DEF | Inline XBRL Taxonomy Extension Definition Linkbase Document. | X |
| 101.LAB | Inline XBRL Taxonomy Extension Label Linkbase Document. | X |
| 101.PRE | Inline XBRL Taxonomy Extension Presentation Linkbase Document. | X |
| 104 | Cover Page Interactive Data File (embedded within the Inline XBRL document). | X |

+ Management contract or compensatory plan or arrangement.

* This certification is deemed not filed for purposes of section 18 of the Securities Exchange Act of 1934, as amended (Exchange Act), or otherwise subject to the liability of that section, nor shall it be deemed incorporated by reference into any filing under the Securities Act of 1933, as amended or the Exchange Act.

Item 16. Form 10-K Summary.

Registrants may voluntarily include a summary of information required by Form 10-K under this Item 16. The Company has elected not to include such summary information.

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

March 12, 2020

RED VIOLET, INC.

By: /s/ Derek Dubner
Derek Dubner
Chief Executive Officer

By: /s/ Daniel MacLachlan
Daniel MacLachlan
Chief Financial Officer

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

| <u>Signature</u> | <u>Title</u> | <u>Date</u> |
|---------------------------------------------------|-------------------------------------------------------------------------------|----------------|
| <u>/s/ Derek Dubner</u> Derek Dubner | Chief Executive Officer and Interim Chairman (Principal Executive Officer) | March 12, 2020 |
| <u>/s/ Daniel MacLachlan</u> Daniel MacLachlan | Chief Financial Officer (Principal Financial and Accounting Officer) | March 12, 2020 |
| <u>/s/ Steven D. Rubin</u> Steven D. Rubin | Director | March 12, 2020 |
| <u>/s/ Peter Benz</u> Peter Benz | Director | March 12, 2020 |
| <u>/s/ Robert Swayman</u> Robert Swayman | Director | March 12, 2020 |

Item 8. Financial Statements and Supplementary Data.

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| <u>Consolidated statements of operations for the years ended December 31, 2019 and 2018</u> | F-4 |
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REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

Board of Directors and Shareholders
Red Violet, Inc.

Opinion on the financial statements

We have audited the accompanying consolidated balance sheets of Red Violet, Inc. (a Delaware corporation) and subsidiaries (the “Company”) as of December 31, 2019 and 2018, the related consolidated statements of operations, changes in shareholders’ equity and member’s capital, and cash flows for the years then ended, and the related notes (collectively referred to as the “financial statements”). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Company as of December 31, 2019 and 2018, and the results of its operations and its cash flows for the years then ended, in conformity with accounting principles generally accepted in the United States of America.

Change in accounting principle

As discussed in Note 13 to the consolidated financial statements, the Company has changed its method of accounting for leases due to the adoption of Accounting Standard Update No. 2016-02 “Leases (Topic 842).”

Basis for opinion

These financial statements are the responsibility of the Company’s management. Our responsibility is to express an opinion on the Company’s financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (“PCAOB”) and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud. The Company is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. As part of our audits we are required to obtain an understanding of internal control over financial reporting but not for the purpose of expressing an opinion on the effectiveness of the Company’s internal control over financial reporting. Accordingly, we express no such opinion.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audits provide a reasonable basis for our opinion.

/s/ GRANT THORNTON LLP

We have served as the Company’s auditor since 2017.

Fort Lauderdale, Florida
March 12, 2020

RED VIOLET, INC.
CONSOLIDATED BALANCE SHEETS
(Amounts in thousands, except share data)

| | December 31, 2019 | December 31, 2018 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|
| ASSETS: | | |
| Current assets: | | |
| Cash and cash equivalents | \$ 11,776 | \$ 9,950 |
| Accounts receivable, net of allowance for doubtful accounts of \$40 and \$77 as of December 31, 2019 and 2018, respectively | 3,543 | 2,265 |
| Prepaid expenses and other current assets | 722 | 934 |
| Total current assets | 16,041 | 13,149 |
| Property and equipment, net | 660 | 852 |
| Intangible assets, net | 24,034 | 19,971 |
| Goodwill | 5,227 | 5,227 |
| Right-of-use assets | 2,620 | - |
| Other noncurrent assets | 289 | 628 |
| Total assets | \$ 48,871 | \$ 39,827 |
| LIABILITIES AND SHAREHOLDERS' EQUITY: | | |
| Current liabilities: | | |
| Accounts payable | \$ 2,138 | \$ 2,246 |
| Accrued expenses and other current liabilities | 1,571 | 1,277 |
| Current portion of operating lease liabilities | 491 | - |
| Deferred revenue | 128 | 26 |
| Total current liabilities | 4,328 | 3,549 |
| Noncurrent operating lease liabilities | 2,459 | - |
| Total liabilities | 6,787 | 3,549 |
| Shareholders' equity: | | |
| Preferred stock—\$0.001 par value, 10,000,000 shares authorized, and 0 shares issued and outstanding, as of December 31, 2019 and December 31, 2018 | - | - |
| Common stock—\$0.001 par value, 200,000,000 shares authorized, 11,657,912 and 10,266,613 shares issued, 11,554,765 and 10,266,613 shares outstanding, as of December 31, 2019 and 2018 | 12 | 10 |
| Treasury stock, at cost, 103,147 and 0 shares as of December 31, 2019 and 2018 | (1,255) | - |
| Additional paid-in capital | 59,187 | 41,052 |
| Accumulated deficit | (15,860) | (4,784) |
| Total shareholders' equity | 42,084 | 36,278 |
| Total liabilities and shareholders' equity | \$ 48,871 | \$ 39,827 |

See notes to consolidated financial statements

RED VIOLET, INC.
CONSOLIDATED STATEMENTS OF OPERATIONS
(Amounts in thousands, except share data)

| | Year Ended December 31, | |
|--------------------------------------------------------------|-------------------------|-------------------|
| | 2019 | 2018 |
| Revenue | \$ 30,286 | \$ 16,302 |
| Costs and expenses: | | |
| Cost of revenue (exclusive of depreciation and amortization) | 12,257 | 8,638 |
| Sales and marketing expenses | 7,528 | 4,754 |
| General and administrative expenses | 18,824 | 8,405 |
| Depreciation and amortization | 2,889 | 1,996 |
| Total costs and expenses | <u>41,498</u> | <u>23,793</u> |
| Loss from operations | (11,212) | (7,491) |
| Interest income, net | 136 | 84 |
| Other income, net | - | 539 |
| Loss before income taxes | <u>(11,076)</u> | <u>(6,868)</u> |
| Income taxes | - | - |
| Net loss | <u>\$ (11,076)</u> | <u>\$ (6,868)</u> |
| Loss per share: | | |
| Basic and diluted | <u>\$ (1.03)</u> | <u>\$ (0.67)</u> |
| Weighted average number of shares outstanding: | | |
| Basic and diluted | <u>10,762,881</u> | <u>10,266,613</u> |

See notes to consolidated financial statements

RED VIOLET, INC.
CONSOLIDATED STATEMENTS OF CHANGES IN SHAREHOLDERS' EQUITY AND MEMBER'S CAPITAL
(Amounts in thousands, except share data)

| | Common stock | | Treasury stock | | Additional paid-in capital | Accumulated deficit | Member's capital | Total |
|---------------------------------------------------------------------------------------------------|-------------------|--------------|------------------|-------------------|----------------------------|---------------------|------------------|------------------|
| | Shares | Amount | Shares | Amount | | | | |
| Balance at December 31, 2017 | 1,000 | \$ - | - | \$ - | \$ - | \$ - | \$ 17,736 | \$ 17,736 |
| Contribution by Fluent, Inc., including allocation of expenses | - | - | - | - | - | - | 24,264 | 24,264 |
| Share-based compensation | - | - | - | - | 800 | - | 346 | 1,146 |
| Net loss | - | - | - | - | - | (4,784) | (2,084) | (6,868) |
| Spin-off from Fluent, Inc. | 10,265,613 | 10 | - | - | 40,252 | - | (40,262) | - |
| Balance at December 31, 2018 | 10,266,613 | \$ 10 | - | \$ - | \$ 41,052 | \$ (4,784) | \$ - | \$ 36,278 |
| Vesting of restricted stock units | 710,299 | 1 | - | - | (1) | - | - | - |
| Increase in treasury stock resulting from shares withheld to cover statutory taxes | - | - | (103,147) | (1,255) | - | - | - | (1,255) |
| Issuance of common stock upon direct offering to certain investors, net of issuance costs of \$55 | 681,000 | 1 | - | - | 7,435 | - | - | 7,436 |
| Share-based compensation | - | - | - | - | 10,701 | - | - | 10,701 |
| Net loss | - | - | - | - | - | (11,076) | - | (11,076) |
| Balance at December 31, 2019 | <u>11,657,912</u> | <u>\$ 12</u> | <u>(103,147)</u> | <u>\$ (1,255)</u> | <u>\$ 59,187</u> | <u>\$ (15,860)</u> | <u>\$ -</u> | <u>\$ 42,084</u> |

See notes to consolidated financial statements

RED VIOLET, INC.
CONSOLIDATED STATEMENTS OF CASH FLOWS
(Amounts in thousands)

| | Year Ended December 31, | |
|-------------------------------------------------------------------------------------------|-------------------------|-----------------|
| | 2019 | 2018 |
| CASH FLOWS FROM OPERATING ACTIVITIES: | | |
| Net loss | \$ (11,076) | \$ (6,868) |
| Adjustments to reconcile net loss to net cash provided by (used in) operating activities: | | |
| Depreciation and amortization | 2,889 | 1,996 |
| Share-based compensation expense | 9,913 | 709 |
| Write-off of long-lived assets | 30 | 63 |
| Provision for bad debts | 582 | 294 |
| Allocation of expenses from Fluent, Inc. | - | 325 |
| Noncash lease expenses | 422 | - |
| Changes in assets and liabilities: | | |
| Accounts receivable | (1,860) | (909) |
| Prepaid expenses and other current assets | 212 | (375) |
| Other noncurrent assets | 339 | 552 |
| Accounts payable | (108) | (332) |
| Accrued expenses and other current liabilities | 639 | (3,501) |
| Deferred revenue | 102 | (7) |
| Operating lease liabilities | (437) | - |
| Net cash provided by (used in) operating activities | <u>1,647</u> | <u>(8,053)</u> |
| CASH FLOWS FROM INVESTING ACTIVITIES: | | |
| Purchase of property and equipment | (90) | (90) |
| Capitalized costs included in intangible assets | (5,912) | (5,911) |
| Net cash used in investing activities | <u>(6,002)</u> | <u>(6,001)</u> |
| CASH FLOWS FROM FINANCING ACTIVITIES: | | |
| Capital contributed by Fluent, Inc. | - | 23,939 |
| Proceeds from issuance of shares, net of issuance costs | 7,436 | - |
| Taxes paid related to net share settlement of vesting of restricted stock units | (1,255) | - |
| Net cash provided by financing activities | <u>6,181</u> | <u>23,939</u> |
| Net increase in cash and cash equivalents | \$ 1,826 | \$ 9,885 |
| Cash and cash equivalents at beginning of period | 9,950 | 65 |
| Cash and cash equivalents at end of period | \$ 11,776 | \$ 9,950 |
| SUPPLEMENTAL DISCLOSURE INFORMATION | | |
| Cash paid for interest | \$ - | \$ - |
| Cash paid for income taxes | \$ - | \$ - |
| Share-based compensation capitalized in intangible assets | \$ 788 | \$ 437 |
| Right-of-use assets obtained in exchange of operating lease liabilities | \$ 3,042 | \$ - |
| Operating lease liabilities arising from obtaining right-of-use assets | \$ 3,387 | \$ - |

See notes to consolidated financial statements

RED VIOLET, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
(Amounts in thousands, except share data)

1. Principal activities and organization

(a) Principal activities

Red Violet, Inc. (“we,” “us,” “our,” “red violet,” or the “Company”), a Delaware corporation, is a software and services company specializing in data fusion and analytics, providing cloud-based mission-critical analytics and information solutions to enterprises with use cases including fraud detection, risk mitigation, due diligence and marketing. Our mission is to transform data into intelligence utilizing our proprietary technology platform to solve complex problems for our clients. Harnessing the power of data fusion and powerful analytics, we transform data into intelligence, in a fast and efficient manner, so that our clients can spend their time on what matters most -- running their organizations with confidence. Through our intelligent platform, CORE™, we uncover the relevance of disparate data points utilizing our analytical capabilities to provide real-time and insightful views of people, businesses, assets and their interrelationships. We empower clients across markets and industries to better execute all aspects of their business, from managing risk, identifying fraud and abuse, and ensuring legislative compliance, to debt recovery.

We provide unique and compelling solutions essential to the daily workflow of organizations within both the public and private sectors. Our cloud-based data fusion platform, combined with our massive database consisting of public-records, proprietary and publicly-available data, as well as a unique repository of self-reported information on millions of consumers, enables the delivery of differentiated products and solutions used for a variety of essential functions. These essential functions include identification and authentication, and investigation and validation.

We have only one operating segment, as defined by ASC 280, “*Segment Reporting*.”

(b) Organization

On March 26, 2018, Fluent, Inc. (“Fluent”) completed a spin-off of its risk management business from its digital marketing business by way of a distribution of all the shares of common stock of Fluent’s then wholly-owned subsidiary, red violet, to Fluent’s stockholders of record as of March 19, 2018, the record date, and certain warrant holders (the “Spin-off”). The distribution occurred by way of a pro rata stock distribution to such common stock and warrant holders, each of whom received one share of red violet’s common stock for every 7.5 shares of Fluent’s common stock held on the record date or to which they were entitled to under their warrants, which resulted in a distribution of a total of 10,266,613 shares of red violet common stock. Upon the Spin-off, the Company owns Fluent subsidiaries that previously operated Fluent’s risk management business.

As a result of the Spin-off, red violet is an independent public company and red violet’s common stock began regular-way trading on The NASDAQ Capital Market under the symbol “RDVT” on March 27, 2018.

2. Summary of significant accounting policies

(a) Basis of preparation and liquidity

The accompanying consolidated financial statements have been prepared by red violet in accordance with accounting principles generally accepted in the United States (“US GAAP”).

The Company accounted for the Spin-off in accordance with ASC 805-50-30-5 *Initial Measurement- Transactions Between Entities Under Common Control – Transfer Date Measurement* and therefore the net assets transferred from Fluent to red violet upon the Spin-off were reflected in red violet’s consolidated financial statements at Fluent’s carrying values at the time of the Spin-off.

The Company reported a net loss of \$11,076 and \$6,868 for the years ended December 31, 2019 and 2018, respectively. Net cash provided by operating activities was \$1,647 for the year ended December 31, 2019 as compared to net cash used in operating activities of \$8,053 for the year ended December 31, 2018. As of December 31, 2019, the Company had an accumulated deficit of \$15,860.

As of December 31, 2019, the Company had available cash and cash equivalents of \$11,776, an increase of \$1,826 from \$9,950 as of December 31, 2018. Based on this available cash and cash equivalents, and the projections of growth in revenue and operating results in the coming year, the Company believes that it will have sufficient cash resources to finance its operations and expected capital expenditures for the next twelve months.

Principles of consolidation

The consolidated financial statements include the financial statements of the Company and its subsidiaries. All significant transactions among the Company and its subsidiaries have been eliminated upon consolidation.

Although the Spin-off was completed on March 26, 2018, the Company has reflected the Spin-off in these financial statements as if it occurred on March 31, 2018 as the Company determined that the impact is not material to the consolidated financial statements.

The financial statements present the consolidated results of operations, financial condition, and cash flows of red violet and its subsidiaries. For periods prior to the Spin-off, these financial statements were prepared on a consolidated and combined basis because certain of the entities were under common control. All intercompany accounts and transactions have been eliminated between the consolidated and combined entities.

The historical consolidated and combined financial results presented prior to the Spin-off may not be indicative of the results that would have been achieved by the Company had it operated as a separate, standalone entity prior to the Spin-off. The consolidated and combined financial statements presented prior to the Spin-off do not reflect any changes that were expected to occur in the Company's operations in connection with or as a result of the Spin-off.

(b) Use of estimates

The preparation of consolidated financial statements in accordance with US GAAP requires red violet's management to make estimates and assumptions relating to the reported amounts of assets and liabilities and the disclosure of contingent assets and liabilities at the date of the consolidated financial statements and the reported amounts of revenue and expenses during the reporting periods. Significant items subject to such estimates and assumptions include the allowance for doubtful accounts, useful lives of property and equipment and intangible assets, recoverability of the carrying amount of goodwill and intangible assets, share-based compensation and income tax provision. These estimates are often based on complex judgments and assumptions that management believes to be reasonable but are inherently uncertain and unpredictable. Actual results could differ from these estimates.

(c) Cash and cash equivalents

Cash and cash equivalents consist of cash on hand and bank deposits with original maturities of three months or less, which are unrestricted as to withdrawal and use.

The Company's cash and bank deposits were held in major financial institutions located in the United States, which management believes have high credit ratings. The cash and bank deposits held in the United States, denominated in USD, amounted to \$11,776 and \$9,950 as of December 31, 2019 and 2018, respectively.

Financial instruments and related items, which potentially subject the Company to concentrations of credit risk, consist principally of cash investments. The Company places its temporary cash instruments with well-known financial institutions within the United States, and, at times, may maintain balances in United States banks in excess of the \$250 US Federal Deposit Insurance Corporation insurance limit. The Company monitors the credit ratings of the financial institutions to mitigate this risk.

(d) Accounts receivable

Accounts receivable are due from customers and are generally unsecured, which consist of amounts earned but not yet collected. None of the Company's accounts receivable bear interest.

The allowance for doubtful accounts is management's best estimate of the amount of probable credit losses in the Company's existing accounts receivable. Management determines the allowance based on reviews of customer-specific facts and economic conditions. Account balances are charged off against the allowance after all means of collection have been exhausted and the potential for recovery is considered remote. The Company does not have any off-balance-sheet credit exposure related to its customers. The amount of the allowance for doubtful accounts was \$40 and \$77 as of December 31, 2019 and 2018, respectively.

(e) Property and equipment

Property and equipment are stated at cost, net of accumulated depreciation or amortization. Expenditures for maintenance, repairs, and minor renewals are charged to expense in the period incurred. Betterments and additions are capitalized. Property and equipment are depreciated on the straight-line basis over the estimated useful lives of the assets. Leasehold improvements are depreciated over the shorter of their estimated useful lives or lease terms that are reasonably assured. The estimated useful lives of property and equipment are as follows:

| | |
|------------------------------------------|-----------|
| Computer and network equipment | 5-7 years |
| Furniture, fixtures and office equipment | 5 years |
| Leasehold improvements | 7 years |

When items of property and equipment are retired or otherwise disposed of, loss/income is charged or credited for the difference between the net book value and proceeds received thereon.

(f) Intangible assets other than goodwill

The Company's intangible assets are initially recorded at the capitalized actual costs incurred, their acquisition cost, or fair value if acquired as part of a business combination, and amortized on a straight-line basis over their respective estimated useful lives, which are the periods over which the assets are expected to contribute directly or indirectly to the future cash flows of the Company. The Company's intangible assets represent software developed for internal use. Intangible assets have estimated useful lives of 5-10 years.

In accordance with ASC 350-40, "*Software — Internal use software*," the Company capitalizes eligible costs, including salaries and staff benefits, share-based compensation expense, travel expenses incurred by relevant employees, and other relevant costs of developing internal-use software that are incurred in the application development stage when developing or obtaining software for internal use. Once the software developed for internal use is ready for its intended use, it is amortized on a straight-line basis over its useful life.

(g) Goodwill

Goodwill represents the cost in excess of the fair value of the net assets acquired in a business combination. As of December 31, 2019 and 2018, the balance of goodwill of \$5,227 was as a result of the acquisition of Interactive Data, LLC ("*Interactive Data*"), a wholly-owned subsidiary of red violet, effective on October 2, 2014.

In accordance with ASC 350, "*Intangibles - Goodwill and Other*," goodwill is tested at least annually for impairment, or when events or changes in circumstances indicate that the carrying amount of such assets may not be recoverable, by assessing qualitative factors or performing a quantitative analysis in determining whether it is more likely than not that its fair value exceeds the carrying value. A quantitative step one assessment involves determining the fair value of each reporting unit using market participant assumptions. Should an impairment exist, the Company would recognize an impairment charge for the amount by which the carrying amount of a reporting unit exceeds its fair value up to the amount of goodwill allocated to that reporting unit.

The measurement date of our annual goodwill impairment test is October 1. On October 1, 2019 and 2018, the Company performed qualitative assessments on the reporting unit and, based on this assessment, no events have occurred to indicate that it is more likely than not that the fair value of the reporting unit is less than its carry amount. The Company concluded that goodwill was not impaired as of December 31, 2019 and 2018.

For purposes of reviewing impairment and the recoverability of goodwill, the Company must make various assumptions regarding estimated future cash flows and other factors in determining the fair values, including market multiples, discount rates, etc.

(h) Impairment of long-lived assets

Finite-lived intangible assets are amortized over their respective useful lives and, along with other long-lived assets, are evaluated for impairment periodically whenever events or changes in circumstances indicate that their related carrying amounts may not be recoverable in accordance with ASC 360-10-15, “*Impairment or Disposal of Long-Lived Assets*.” In evaluating long-lived assets for recoverability, including finite-lived intangibles and property and equipment, the Company uses its best estimate of future cash flows expected to result from the use of the asset and eventual disposition in accordance with ASC 360-10-15. To the extent that estimated future undiscounted cash inflows attributable to the asset, less estimated future undiscounted cash outflows, are less than the carrying amount, an impairment loss is recognized in an amount equal to the difference between the carrying value of such asset and its fair value. Assets to be disposed of and for which there is a committed plan of disposal, whether through sale or abandonment, are reported at the lower of carrying value or fair value less costs to sell.

Asset recoverability is an area involving management judgment, requiring assessment as to whether the carrying value of assets can be supported by the undiscounted future cash flows. In calculating the future cash flows, certain assumptions are required to be made in respect of highly uncertain matters such as revenue growth rates, gross margin percentages and terminal growth rates.

We concluded there was no impairment as of December 31, 2019 and 2018.

(i) Fair value of financial instruments

ASC 820, “*Fair Value Measurements and Disclosures*,” establishes a three-tier fair value hierarchy, which prioritizes the inputs used in measuring fair value. The hierarchy prioritizes the inputs into three levels based on the extent to which inputs used in measuring fair value are observable in the market.

These tiers include:

- Level 1 – defined as observable inputs such as quoted prices in active markets;
- Level 2 – defined as inputs other than quoted prices in active markets that are either directly or indirectly observable; and
- Level 3 – defined as unobservable inputs in which little or no market data exists, therefore requiring an entity to develop its own assumptions.

The fair value of the Company’s cash and cash equivalents, receivables and payables approximate their carrying amount because of the short-term nature of these instruments.

(j) Revenue recognition

On January 1, 2018, the Company adopted ASC 606, “*Revenue from Contracts with Customers*,” (“Topic 606”) using the modified retrospective method applied to all contracts that were not completed contracts at the date of initial application. There was no impact on the opening accumulated deficit as of January 1, 2018 due to the adoption of Topic 606. Revenue is recognized when control of goods or services is transferred to the Company’s customers, in an amount that reflects the consideration the Company expects to be entitled to in exchange for those goods or services. The Company’s performance obligation is to provide on demand solutions to its customers by leveraging its proprietary technology and applying machine learning and advanced analytics to its massive data repository. The pricing for the customer contracts is based on usage, a monthly fee, or a combination of both.

Revenue is generally recognized on (a) a transactional basis determined by the customers’ usage, (b) a monthly fee or (c) a combination of both. Revenue pursuant to transactions determined by the customers’ usage is recognized when the transaction is complete, and either party may terminate the transactional agreement at any time. Revenue pursuant to contracts containing a monthly fee is recognized ratably over the contract period, which is generally 12 months, and the contract shall automatically renew for additional, successive 12-month terms unless written notice of intent not to renew is provided by one party to the other at least 30 days or 60 days prior to the expiration of the then current term. The Company’s revenue is recorded net of applicable sales taxes billed to customers.

Available within Topic 606, the Company has applied the portfolio approach practical expedient in accounting for customer revenue as one collective group, rather than individual contracts. Based on the Company’s historical knowledge of the contracts contained in this portfolio and the similar nature and characteristics of the customers, the Company has concluded the financial statement effects are not materially different than if accounting for revenue on a contract by contract basis.

Revenue is recognized over a period of time since the performance obligation is delivered in a series. The Company's customers simultaneously receive and consume the benefits provided by the Company's performance as and when provided. Furthermore, the Company has elected the "right to invoice" practical expedient, available within Topic 606, as its measure of progress, since it has a right to payment from a customer in an amount that corresponds directly with the value of its performance completed-to-date. The Company's revenue arrangements do not contain significant financing components.

For the years ended December 31, 2019 and 2018, 65% and 58% of total revenue was attributable to customers with pricing contracts, respectively, versus 35% and 42% attributable to transactional customers, respectively. Pricing contracts are generally annual contracts or longer, with auto renewal.

If a customer pays consideration before the Company transfers services to the customer, those amounts are classified as deferred revenue. As of December 31, 2019 and 2018, the balance of deferred revenue was \$128 and \$26, respectively, all of which is expected to be realized in the next 12 months. In relation to the deferred revenue balance as of December 31, 2018, \$26 was recognized into revenue during the year ended December 31, 2019.

As of December 31, 2019, \$2,929 of revenue is expected to be recognized in the future for performance obligations that are unsatisfied or partially unsatisfied, related to pricing contracts that have a term of more than 12 months. \$1,820 of revenue will be recognized in 2020, \$1,106 in 2021, and \$3 in 2022. The actual timing of recognition may vary due to factors outside of the Company's control. The Company excludes variable consideration related entirely to wholly unsatisfied performance obligations and contracts and recognizes such variable consideration based upon the right to invoice the customer.

Sales commissions are incurred and recorded on an ongoing basis over the term of the customer relationship. These costs are recorded in sales and marketing expenses.

In addition, the Company elected the practical expedient to not disclose the value of unsatisfied performance obligations for (i) contracts with an original expected length of one year or less and (ii) contracts for which the Company recognizes revenue at the amount to which it has the right to invoice for services performed.

(k) Cost of revenue (exclusive of depreciation and amortization)

Our cost of revenue primarily includes data acquisition costs and other cost of revenue. Data acquisition costs consist primarily of the costs to acquire data either on a transactional basis or through flat-fee data licensing agreements, including unlimited usage agreements. Data acquisition costs are recognized based on a straight-line amortization method. Other cost of revenue includes expenses related to third-party infrastructure fees.

(l) Advertising and promotion costs

Advertising and promotion costs are charged to operations as incurred. Advertising and promotion costs, included in sales and marketing expenses amounted to \$108 and \$198 for the years ended December 31, 2019 and 2018, respectively.

(m) Share-based compensation

The Company accounts for share-based compensation to employees in accordance with ASC 718, "Compensation—Stock Compensation." Under ASC 718, the Company measures the cost of employee services received in exchange for an award of equity instruments based on the grant-date fair value of the award and, for those awards subject only to service condition, recognize the costs on a straight-line basis over the requisite service period for the entire award the employee is required to provide service in exchange for the award, which generally is the vesting period. For awards with performance and service conditions, we begin recording share-based compensation when achieving the performance criteria is probable and we recognize the costs using the accelerated attribution method.

The estimated number of stock awards that will ultimately vest requires judgment, and to the extent actual results or updated estimates differ from our current estimates, such amount will be recorded as a cumulative adjustment in the period estimates are revised. Changes in our estimates and assumptions may cause us to realize material changes in share-based compensation expense in the future.

The Company has issued share-based awards with performance-based vesting criteria. Achievement of the milestones must be probable before the Company begins recording share-based compensation expense. When the performance-based vesting criteria is considered probable, the Company begins to recognize compensation expense at that time. In the period that achievement of the performance-based criteria is deemed probable, US GAAP requires the immediate recognition of all previously unrecognized compensation since the original grant date. As a result, compensation expense recorded in the period that achievement is deemed probable could include a substantial amount of previously unrecorded compensation expense related to the prior periods. For any share-based awards where performance-based vesting criteria is no longer considered probable, previously recognized compensation cost would be reversed. As of December 31, 2019, the Company has deemed the achievement of the performance-based criteria to be probable for all share-based awards with performance-based vesting criteria.

The Company applies ASU 2018-07, “*Improvements to Nonemployee Share-Based Payment Accounting*,” which generally expands the scope of ASC 718, *Compensation – Stock Compensation*, to include share-based payment transactions for acquiring goods and services from nonemployees and supersedes the guidance in ASC 505-50, *Equity-Based Payments to Non-employees*, which previously included the accounting for nonemployee awards.

(n) Income taxes

The Company accounts for income taxes in accordance with ASC 740, “*Income Taxes*,” which requires the use of the asset and liability method of accounting for income taxes. Deferred tax assets and liabilities are recognized for the future tax consequences attributable to differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases and operating loss and tax credit carry forwards. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled.

The effect on deferred tax assets and liabilities of a change in tax rates or laws is recognized in income in the period that the change in tax rates or laws is enacted. A valuation allowance is provided to reduce the amount of deferred tax assets if it is considered more likely than not that some portion or all of the deferred tax assets will not be realized.

ASC 740 clarifies the accounting for uncertain tax positions. This interpretation requires that an entity recognizes in the consolidated financial statements the impact of a tax position, if that position is more likely than not of being sustained upon examination, based on the technical merits of the position. Recognized income tax positions are measured at the largest amount that is greater than 50% likely of being realized. Changes in recognition or measurement are reflected in the period in which the change in judgment occurs. The Company’s accounting policy is to accrue interest and penalties related to uncertain tax positions, if and when required, as interest expense and a component of other expenses, respectively, in the consolidated statements of operations.

(o) Loss per share

Basic loss per share is computed by dividing net loss by the weighted average number of common shares outstanding during the periods. Diluted loss per share reflects the potential dilution that could occur if securities or other contracts to issue common stock were exercised or converted into common stock and is calculated using the treasury stock method for stock options and unvested shares. Common equivalent shares are excluded from the calculation in the loss periods as their effects would be anti-dilutive.

(p) Contingencies

In the ordinary course of business, the Company is subject to loss contingencies that cover a wide range of matters. An estimated loss from a loss contingency such as a legal proceeding or claim is accrued if it is probable that a liability has been incurred and the amount of the loss can be reasonably estimated. In determining whether a loss should be accrued, the Company evaluates, among other factors, the degree of probability and the ability to make a reasonable estimate of the amount of loss.

(q) Segment reporting

The Company has only one operating segment, as defined by ASC 280, “*Segment Reporting*.”

(r) Significant concentrations and risks

Concentration of credit risk

Assets that potentially subject the Company to significant concentration of credit risk primarily consist of cash and cash equivalents, and accounts receivable. As of December 31, 2019 and 2018, all of the Company's cash and cash equivalents were deposited in financial institutions located in the United States, which management believes are of high credit quality. Accounts receivable are typically unsecured and are derived from revenue earned from customers. The risk with respect to accounts receivable is mitigated by credit evaluations the Company performs on its customers and its ongoing monitoring process of outstanding balances.

Concentration of customers

For the years ended December 31, 2019 and 2018, one individual customer accounted for 15% and 11% of the total revenue, respectively.

As of December 31, 2019 and 2018, there was no individual customer that accounted for more than 10% of the Company's accounts receivable, net.

Concentration of suppliers

Our products and services depend extensively upon continued access to and receipt of data from external sources, including data received from the major credit bureaus, including our largest data supplier. The Company's other data suppliers include strategic partners, as well as various government and public records repositories. Our largest data supplier, with whom we have expanded our relationship while securing what we believe to be favorable business terms over the years, accounted for approximately 40% of our total data acquisition costs for the year ended December 31, 2019, compared to approximately 46% for the year ended December 31, 2018. The initial term of the agreement, as amended, with this supplier ends April 30, 2022, and continues thereafter on a month-to-month basis unless and until either party provides the other with a minimum of 30 days' written notice of termination. During the term of the agreement, either party has the right to terminate the agreement: (i) in the event of the other party's failure to cure a material breach, and (ii) in the event of the other party's insolvency. In addition, this supplier may terminate this agreement by providing not less than 150 days' advance written notice to us and we may terminate this agreement by providing not less than 24 months' advance written notice to this supplier. The remaining minimum purchase commitments through the end of the initial term is \$10.4 million. If we are unable to maintain our relationship with our largest data supplier, our ability to provide products and services could be negatively impacted, as we would need to secure comparable data on similar terms, which would require significant time, expense, and resources, and may in the short-term adversely affect our reputation, business, financial condition and results of operations and, if we are unable to establish a similar relationship with other data suppliers over time, could have a long-term material impact on our business and financial condition.

As of December 31, 2019 and 2018, among data suppliers, one data supplier accounted for 43% and 42% of the Company's total accounts payable, respectively.

(s) Recently issued accounting standards

As an emerging growth company, the Company has left open the opportunity to take advantage of the extended transition period provided to emerging growth companies in Section 13(a) of the Exchange Act, however, it is the Company's present intention to adopt any applicable new accounting standards timely.

In February 2016, Financial Accounting Standard Board ("FASB") issued Accounting Standard Updates ("ASU") No. 2016-02 ("ASU 2016-02"), "Leases (Topic 842)," which generally requires companies to recognize operating and financing lease liabilities and corresponding right-of-use assets on the balance sheet. In July 2018, FASB issued ASU No. 2018-10, "Codification Improvements to Topic 842, Leases," and ASU No. 2018-11, "Leases (Topic 842): Targeted Improvements." Topic 842 is effective for public entities and private entities in the first quarter of 2019 and the first quarter of 2020, respectively, on a modified retrospective basis. The Company adopted Topic 842 in the first quarter of 2019. The Company recorded a right-of-use asset and a total operating lease obligation on its consolidated balance sheet of approximately \$3.0 million and \$3.4 million, respectively, upon the adoption. Refer to Note 13, Leases, for further details.

In June 2016, FASB issued ASU No. 2016-13 (“ASU 2016-13”), “*Financial Instruments - Credit Losses (Topic 326): Measurement of Credit Losses on Financial Instruments.*” In November 2018, FASB issued ASU No. 2018-19, “Codification Improvements to Topic 326, Financial Instruments-Credit Losses,” which amends the scope and transition requirements of ASU 2016-13. Topic 326 requires a financial asset (or a group of financial assets) measured at amortized cost basis to be presented at the net amount expected to be collected. The measurement of expected credit losses is based on relevant information about past events, including historical experience, current conditions and reasonable and supportable forecasts that affect the collectability of the reported amount. Topic 326 will become effective for public companies beginning January 1, 2020, with early adoption permitted, on a modified retrospective approach. Based on our preliminary evaluation, the Company does not expect this guidance will have a material impact on its consolidated financial statements and related disclosures.

In August 2018, FASB issued ASU No. 2018-15 (“ASU 2018-15”), “*Intangibles—Goodwill and Other—Internal-Use Software (Subtopic 350-40): Customer’s Accounting for Implementation Costs Incurred in a Cloud Computing Arrangement That Is a Service Contract,*” which requires an entity (customer) in a hosting arrangement that is a service contract to follow the guidance in Subtopic 350-40 to determine which implementation costs to capitalize as an asset related to the service contract and which costs to expense. It also requires the entity (customer) to expense the capitalized implementation costs of a hosting arrangement that is a service contract over the term of the hosting arrangement, which includes reasonably certain renewals. This guidance will be effective for the Company for annual reporting periods beginning after December 15, 2020, on a retrospective or prospective basis and early adoption is permitted. The Company is currently evaluating the impact this guidance will have on its consolidated financial statements and related disclosures.

3. Loss per share

For the years ended December 31, 2019 and 2018, the basic and diluted loss per share was as follows:

| (In thousands, except share data) | Year Ended December 31, | |
|-------------------------------------------------------------|-------------------------|------------------|
| | 2019 | 2018 |
| Numerator: | | |
| Net loss | \$ (11,076) | \$ (6,868) |
| Denominator: | | |
| Weighted average shares outstanding - Basic and diluted (1) | 10,762,881 | 10,266,613 |
| Loss per share: | | |
| Basic and diluted: | \$ <u>(1.03)</u> | \$ <u>(0.67)</u> |

(1) Prior to the Spin-off, the financial information of red violet represented the consolidated and combined figures of red violet and its subsidiaries. red violet only had 1,000 shares of common stock outstanding, all of which Fluent owned. On March 26, 2018, upon the Spin-off of red violet, an aggregate of 10,266,613 shares of red violet common stock were distributed to Fluent stockholders and certain warrant holders. This number of shares remained outstanding at December 31, 2018, and it is utilized to calculate the basic and diluted loss per share for the year ended December 31, 2018.

A total of 2,237,827 unvested restricted stock units (“RSUs”) and 12,250 RSUs that were vested but not delivered have been excluded from the diluted loss per share for the year ended December 31, 2019, and 2,121,000 unvested RSUs have been excluded from the diluted loss per share calculation for the year ended December 31, 2018, as the impact is anti-dilutive.

4. Accounts receivable, net

Accounts receivable, net consist of the following:

| (In thousands) | December 31, 2019 | December 31, 2018 |
|---------------------------------------|-------------------|-------------------|
| Accounts receivable | \$ 3,583 | \$ 2,342 |
| Less: Allowance for doubtful accounts | (40) | (77) |
| Total accounts receivable, net | \$ <u>3,543</u> | \$ <u>2,265</u> |

The movement of allowance for doubtful accounts is shown below:

| (In thousands) | Year Ended December 31, | |
|---------------------|-------------------------|--------------|
| | 2019 | 2018 |
| Beginning balance | \$ 77 | \$ 228 |
| Charges to expenses | 582 | 294 |
| Write-offs | (619) | (445) |
| Ending balance | <u>\$ 40</u> | <u>\$ 77</u> |

Provision for bad debts of \$582 and \$294 was provided for the years ended December 31, 2019 and 2018, respectively.

5. Property and equipment, net

Property and equipment, net consist of the following:

| (In thousands) | December 31, 2019 | December 31, 2018 |
|------------------------------------------|-------------------|-------------------|
| Computer and network equipment | \$ 749 | \$ 680 |
| Furniture, fixtures and office equipment | 708 | 803 |
| Leasehold improvements | 53 | 53 |
| Total cost | 1,510 | 1,536 |
| Less: Accumulated depreciation | (850) | (684) |
| Property and equipment, net | <u>\$ 660</u> | <u>\$ 852</u> |

Depreciation of property and equipment of \$252 and \$266 was recorded for the years ended December 31, 2019 and 2018, respectively.

6. Intangible assets, net

Intangible assets other than goodwill consist of the following:

| (In thousands) | Amortization Period | December 31, 2019 | | | December 31, 2018 | | |
|-------------------------------------|---------------------|-------------------|--------------------------|------------------|-------------------|--------------------------|------------------|
| | | Gross Amount | Accumulated Amortization | Net | Gross Amount | Accumulated Amortization | Net |
| Software developed for internal use | 5-10 years | <u>\$ 29,690</u> | <u>\$ (5,656)</u> | <u>\$ 24,034</u> | <u>\$ 22,990</u> | <u>\$ (3,019)</u> | <u>\$ 19,971</u> |

The gross amount associated with software developed for internal use represents capitalized costs of internally-developed software, including eligible salaries and staff benefits, share-based compensation, travel expenses incurred by relevant employees, and other relevant costs.

Amortization expenses of \$2,637 and \$1,730 were included in depreciation and amortization expense for the years ended December 31, 2019 and 2018, respectively. As of December 31, 2019, intangible assets of \$3,479, included in the gross amounts of software developed for internal use, have not started amortization, as they are not ready for their intended use.

The Company capitalized costs of software developed for internal use of \$6,700 and \$6,348 during the years ended December 31, 2019 and 2018, respectively.

As of December 31, 2019, estimated amortization expenses related to the Company's intangible assets for 2020 through 2025 and thereafter are as follows:

| (In thousands) Year | December 31, 2019 |
|------------------------|-------------------|
| 2020 | \$ 3,729 |
| 2021 | 3,898 |
| 2022 | 3,896 |
| 2023 | 3,820 |
| 2024 | 3,180 |
| 2025 and thereafter | 5,511 |
| Total | \$ 24,034 |

7. Accrued expenses and other current liabilities

Accrued expenses and other current liabilities consist of the following:

| (In thousands) | December 31, 2019 | December 31, 2018 |
|---------------------------------|-------------------|-------------------|
| Employees compensation expenses | \$ 877 | \$ 284 |
| Accrued data acquisition costs | 142 | 273 |
| Sales tax payable | 447 | - |
| Deferred rent | - | 345 |
| Litigation settlement payable | - | 175 |
| Miscellaneous expenses payable | 105 | 200 |
| Total | \$ 1,571 | \$ 1,277 |

8. Other income, net

For the year ended December 31, 2018, other income, net consisted primarily of transition service income of \$218 and the insurance proceeds of \$350 in relation to previously settled litigation.

9. Income taxes

The Company is subject to federal and state income taxes in the United States. The income taxes on loss before income taxes consisted of the following:

| (In thousands) | Year Ended December 31, | |
|---------------------------------|-------------------------|-------------|
| | 2019 | 2018 |
| Current | | |
| Federal and state | \$ - | \$ - |
| Deferred | | |
| Federal | (2,449) | 7,979 |
| State | (359) | 1,543 |
| Valuation allowance | 2,808 | (9,522) |
| | - | - |
| Provision for income tax | \$ - | \$ - |

The Company's effective income tax benefit differed from the U.S. corporate statutory income tax rate for the years ended December 31, 2019 and 2018. A reconciliation is as follows:

| (In thousands) | Year Ended December 31, | | | |
|----------------------------------------------------|-------------------------|------|------------|---------|
| | 2019 | | 2018 | |
| Tax on loss before income taxes | \$ (2,326) | 21% | \$ (1,442) | 21.0% |
| Effect of state taxes (net of federal tax benefit) | (359) | 3% | 1,543 | -22.5% |
| Excess tax benefit from share-based compensation | (672) | 6% | - | - |
| Nondeductible executive compensation | 669 | -6% | - | - |
| Other permanent differences | (120) | 1% | 11 | -0.2% |
| Effect of the Spin-off from Fluent | - | - | 9,410 | -137.0% |
| Valuation allowance | 2,808 | -25% | (9,522) | 138.7% |
| Income tax benefit | \$ - | 0.0% | \$ - | 0.0% |

Components of deferred tax assets and liabilities consist of the following:

| (In thousands) | December 31, 2019 | | December 31, 2018 | |
|------------------------------------------------|-------------------|---------|-------------------|---------|
| Deferred tax assets: | | | | |
| Net operating loss carryforwards | \$ | 6,711 | \$ | 3,836 |
| Share-based compensation | | 1,135 | | 128 |
| Accounts receivable | | 10 | | 18 |
| Accrued expenses and other current liabilities | | 114 | | 128 |
| | | 7,970 | | 4,110 |
| Valuation allowance | | (5,126) | | (2,318) |
| | | 2,844 | | 1,792 |
| Deferred tax liabilities: | | | | |
| Intangible assets | | 2,724 | | 1,660 |
| Property and equipment | | 120 | | 132 |
| | | 2,844 | | 1,792 |
| Net deferred income tax | \$ | - | \$ | - |

As of December 31, 2019, the Company had federal and state net operating loss carryforwards of \$27,886 and \$18,729, respectively, which begin to expire in 2034, except that \$20,342 of federal net operating loss carryforwards incurred in 2018 and 2019 could be carried forward indefinitely. The Company's net operating losses are not subject to annual Section 382 limitations due to ownership changes that could impact the future realization. The Company uses ASC 740 ordering when determining when excess tax benefits have been realized.

ASC 740 requires a valuation allowance to reduce the deferred tax assets reported if, based on the weight of the evidence, it is more likely than not that some or all of the deferred tax assets will not be realized. On a periodic basis, management evaluates and determines the amount of valuation allowance required and adjusts such valuation allowance accordingly. Primarily due to cumulative pre-tax losses, management determined a valuation allowance of \$5,126 and \$2,318 was necessary as of December 31, 2019 and 2018, respectively, to reduce the deferred tax assets to the amount that is more likely than not to be realized. The change in the valuation allowance was an increase of \$2,808 for the year ended December 31, 2019 and a reduction of \$9,522 for the year ended December 31, 2018. The decrease in the valuation allowance in 2018 is due to the decrease in net operating loss carryforwards as a result of the net operating loss carryforward that stayed with Fluent upon the Spin-off.

The Company assesses its income tax positions and records tax benefits for all years subject to examination based upon its evaluation of the facts, circumstances and information available at the reporting date. For those tax positions where it is more-likely-than-not that a tax benefit will be sustained, the Company has recorded the largest amount of tax benefit with a greater than 50% likelihood of being realized upon ultimate settlement with a taxing authority that has full knowledge of all relevant information. For those income tax positions where it is not more-likely-than-not that a tax benefit will be sustained, no tax benefit has been recognized in the Company's financial statements.

The Company continually evaluates expiring statutes of limitations, audits, proposed settlements, changes in tax law and new authoritative rulings. All of the Company's income tax filings since 2016 remain open for tax examinations.

The Company does not have any unrecognized tax benefits as of December 31, 2019 and 2018.

10. Common stock and preferred stock

Common stock

As of December 31, 2019 and 2018, the number of authorized shares of common stock was 200,000,000, with a par value of \$0.001 per share, of which, 11,657,912 and 10,266,613 shares of common stock were issued, respectively, which included shares of treasury stock of 103,147 and 0, respectively.

On March 26, 2018, Fluent completed the Spin-off of its risk management business from its digital marketing business by way of a distribution of all the shares of common stock of red violet to Fluent's stockholders of record as of March 19, 2018, the Record Date, and certain warrant holders, which resulted in a distribution of a total of 10,266,613 shares of red violet common stock.

During the year ended December 31, 2019, the change in the number of issued shares of common stock was due to the following issuance:

- An aggregate of 710,299 shares of common stock were issued as a result of the vesting of RSUs, of which, 103,147 shares of common stock were withheld to pay withholding taxes upon such vesting, which are reflected in treasury stock.
- An aggregate of 681,000 shares of common stock, with an issuance price of \$11.00 per share, were issued in a registered direct offering to certain investors, pursuant to a securities purchase agreement entered into on August 28, 2019. Net proceeds of \$7,436 were received in August 2019.

Treasury stock

As of December 31, 2019, the Company held 103,147 shares of treasury stock, with a cost of \$1,255. There was no treasury stock as of December 31, 2018. This increase in treasury stock was due to shares withheld to pay withholding taxes upon the vesting of RSUs.

Preferred stock

As of December 31, 2019 and 2018, the Company had 10,000,000 shares of preferred stock with par value of \$0.001 per share authorized, and there were no shares of preferred stock issued or outstanding.

11. Share-based compensation

On March 22, 2018, the board of directors of the Company and Fluent, in its capacity as sole stockholder of red violet prior to the Spin-off, approved the Red Violet, Inc. 2018 Stock Incentive Plan (the "2018 Plan"), which became effective immediately prior to the Spin-off. A total of 3,000,000 shares of common stock were authorized to be issued under the 2018 Plan. The primary purpose of the 2018 Plan is to attract, retain, reward and motivate certain individuals by providing them with an opportunity to acquire or increase a proprietary interest in the Company and to incentivize them to expend maximum effort for the growth and success of the Company, so as to strengthen the mutuality of the interests between such individuals and the stockholders of the Company.

As of December 31, 2019, there were 39,624 shares of common stock available for future issuance under the 2018 Plan.

Details of unvested RSUs activity during the years ended December 31, 2018 and 2019 were as follows:

| | Number of units | Weighted average grant-date fair value |
|----------------------------------|------------------|-------------------------------------------|
| Unvested as of December 31, 2017 | - | \$ - |
| Granted (1) | 2,145,500 | \$ 7.65 |
| Forfeited | (24,500) | \$ 7.53 |
| Unvested as of December 31, 2018 | 2,121,000 | \$ 7.65 |
| Granted (1)(2) | 917,500 | \$ 10.67 |
| Vested and delivered | (607,152) | \$ 7.62 |
| Withheld as treasury stock (3) | (103,147) | \$ 7.75 |
| Vested not delivered | (12,250) | \$ 6.13 |
| Forfeited | (78,124) | \$ 8.26 |
| Unvested as of December 31, 2019 | <u>2,237,827</u> | \$ 8.88 |

- (1) On September 5, 2018 and January 16, 2019, the Company granted an aggregate of 1,487,500 RSUs (included in “Granted” during the year ended December 31, 2018 above) and 90,000 RSUs (included in “Granted” during the year ended December 31, 2019 above), respectively, subject to both time- and performance-based requirements, to certain of its employees and directors, at a grant date fair value of \$7.69 per share and \$7.25 per share, respectively, with a three-year vesting period. Such RSU grants shall not vest unless and until the Company has, for any fiscal quarter in which the RSUs are outstanding, (i) gross revenue determined in accordance with the Company’s reviewed or audited financial statements in excess of \$7.0 million for such fiscal quarter, (ii) positive adjusted EBITDA, as determined based on amounts derived from the Company’s reviewed or audited financial statements for such fiscal quarter, and (iii) the participant continues to provide services to the Company either as an employee, director or consultant on the last day of the quarter that the performance criteria are met (collectively, the “2018 Performance Criteria”). Provided the 2018 Performance Criteria are met, the RSUs will vest in accordance with the time-based requirements contained in the award agreement over three years. In the event of a change of control, all RSUs which have not vested on the date of such change of control shall immediately vest even if the 2018 Performance Criteria have not been met. As of June 30, 2019, the Company determined that the 2018 Performance Criteria were met and expects to issue shares underlying the RSUs in accordance with the continuing time-based vesting requirement.

As a result of meeting the 2018 Performance Criteria as of June 30, 2019, the Company recognized a total of \$7,724 of share-based compensation expense relating to RSUs with the 2018 Performance Criteria for the year ended December 31, 2019. Of the \$7,724 recognized, \$2,174 represented a catch-up of unamortized expense from September 5, 2018 through December 31, 2018, which was not recognized in prior periods because the Company determined at each period end that it was not probable that the 2018 Performance Criteria would be met.

- (2) On August 28, 2019 and October 28, 2019, the Company granted an aggregate of 681,000 RSUs, subject to both time- and performance-based requirements, to certain employees, at a grant date fair value of \$11.42 per share and \$16.42 per share, respectively, with time vesting periods of either three or four years. Such RSU grants shall not vest unless and until the Company has, for any fiscal quarter in which the RSUs are outstanding, (i) gross revenue determined in accordance with the Company’s reviewed or audited financial statements in excess of (a) \$10.0 million for such fiscal quarter and positive adjusted EBITDA of at least \$1.5 million, as determined based on amounts derived from the Company’s reviewed or audited financial statements for such fiscal quarter for 256,000 RSUs, and (b) \$12.5 million for such fiscal quarter and positive adjusted EBITDA of at least \$2.0 million, as determined based on amounts derived from the Company’s reviewed or audited financial statements for such fiscal quarter for 425,000 RSUs, and (ii) the recipient continues to provide services to the Company either as an employee, director or consultant on the last day of the quarter that the performance criteria is met (collectively, the “2019 Performance Criteria”). Provided the respective 2019 Performance Criteria are met, the RSUs will vest in accordance with the time-based requirements contained in the award agreement over three or four years. In the event of a change of control, all RSUs which have not vested on the date of such change of control shall immediately vest even if the 2019 Performance Criteria have not been met. As of the respective grant dates, the Company determined that it is probable that the 2019 Performance Criteria will be met and therefore, began to record the related amortization expense on the grant dates. The Company recognized a total of \$1,345 of share-based compensation expense relating to RSUs with the 2019 Performance Criteria for the year ended December 31, 2019.
- (3) The increase in treasury stock was due to shares withheld to pay statutory taxes upon the vesting of RSUs during the year ended December 31, 2019. Refer to Note 10 for details.

As of December 31, 2019, unrecognized share-based compensation expense associated with the granted RSUs amounted to \$15,496, which is expected to be recognized over a weighted average period of 2.3 years.

Share-based compensation was allocated to the following accounts in the consolidated financial statements for the years ended December 31, 2019 and 2018:

| (In thousands) | Year Ended December 31, | |
|-------------------------------------|-------------------------|-----------------|
| | 2019 | 2018 |
| Sales and marketing expenses | \$ 454 | \$ 158 |
| General and administrative expenses | 9,459 | 551 |
| Share-based compensation expense | 9,913 | 709 |
| Capitalized in intangible assets | 788 | 437 |
| Total | \$ 10,701 | \$ 1,146 |

The amounts recorded during the year ended December 31, 2018 included an allocation of share-based compensation related to the share-based awards granted by Fluent to Company employees or non-employees prior to the Spin-off.

12. Related party transactions

Services Agreement

On August 7, 2018, the Company entered into an executive chairman services agreement with Mr. Michael Brauser, the then Executive Chairman of the Company, pursuant to which Mr. Brauser will be providing recommendations on organizational and capital structure, future financing needs and future acquisitions or strategic transactions (“Services Agreement”), for a term of one year, automatically renewing for additional one-year periods unless either party provides written notice to the other of its intent not to renew not fewer than 30 days prior to the expiration of the then current term. Mr. Brauser continues to provide services as a consultant under the Services Agreement after his resignation as Executive Chairman and as a member of the board of directors effective on September 9, 2018. Under the Services Agreement, Mr. Brauser receives cash compensation of \$30 per month and is entitled to participate in the Company’s incentive compensation plan. The Company recognized consulting service fees relating to the Services Agreement of a total of \$360 and \$180 during the years ended December 31, 2019 and 2018, respectively. Mr. Brauser was also awarded additional cash compensation of \$150 as bonus for the year ended December 31, 2019. In addition, amortization of share-based compensation expense of \$1,801 in relation to the RSUs with the 2018 Performance Criteria previously granted to Mr. Brauser was recognized for the year ended December 31, 2019.

Contribution by Fluent

Contribution by Fluent represents cash funding provided or the portion of certain expenses allocated by Fluent to red violet, on or prior to the Spin-off.

These allocated expenses are primarily corporate employee salaries and benefits of the functional groups (inclusive of executive management, accounting, administrative and information technology) and corporate administrative expenses (inclusive of legal services, accounting and finance services and other corporate and infrastructure services). Corporate employee salaries and benefits were allocated on the basis of time spent, and corporate administrative expenses were allocated on the basis of relative percentage of services utilized or benefit received. red violet recorded expenses of \$325 for the three months ended March 31, 2018 as a result of the allocation of expenses from Fluent. Upon the Spin-off, Fluent no longer allocates any expenses to red violet.

In addition, share-based compensation of \$344, relating to the share-based awards granted by Fluent prior to the Spin-off, was recorded during the three months ended March 31, 2018.

13. Leases

On January 1, 2019, the Company adopted Leases (Topic 842) using the modified retrospective method applied to all leases existing at the date of initial application. The Company elected the practical expedients to not reassess whether any existing contracts are or contain leases, not reassess the lease classification for any existing leases, and not reassess initial direct costs for any existing leases, upon the adoption of Leases (Topic 842).

The Company leases its corporate headquarters of 21,020 rentable square feet in accordance with a non-cancelable 89-month operating lease agreement as amended and effective in January 2017. The Company also leases an additional office space of 6,003 rentable square feet in accordance with a non-cancellable 90-month operating lease agreement entered into in April 2017, with an option to extend for additional 60 months. The extension option is not included in the determination of the lease term as it is not reasonably certain to be exercised.

For the year ended December 31, 2019, a summary of the Company's lease information is shown below:

| (In thousands) | Year Ended December 31, 2019 | |
|--------------------------------------------------------------------------|---------------------------------|-------|
| Lease cost: | | |
| Operating lease costs | \$ | 672 |
| Other information: | | |
| Cash paid for operating leases | \$ | 687 |
| Right-of-use assets obtained in exchange for operating lease liabilities | \$ | 3,042 |
| Weighted average discount rate for operating leases ⁽¹⁾ | | 8.0% |

(1) The Company used 8.0%, its estimated incremental borrowing rate for similar secured assets, as the discount rate for the leases to determine the present value of the lease payments because the implicit rate in each lease is not readily determinable. The discount rate was calculated on the basis of information available as of January 1, 2019, the application date.

As of December 31, 2019, the weighted average remaining operating lease term was 4.8 years.

As of December 31, 2019, scheduled future maturities and present value of the operating lease liabilities are as follows:

| (In thousands) Year | December 31, 2019 | |
|----------------------------------------------------------------------------------------|-------------------|-------|
| 2020 | \$ | 705 |
| 2021 | | 724 |
| 2022 | | 743 |
| 2023 | | 765 |
| 2024 | | 542 |
| 2025 and thereafter | | 77 |
| Total maturities | \$ | 3,556 |
| Present value included in consolidated balance sheet: | | |
| Current portion of operating lease liabilities | \$ | 491 |
| Noncurrent operating lease liabilities | | 2,459 |
| Total operating lease liabilities | \$ | 2,950 |
| Difference between the maturities and the present value of operating lease liabilities | \$ | 606 |

14. Commitments and contingencies

(a) Capital commitment

The Company incurred data costs of \$7,507 and \$5,550 for the years ended December 31, 2019 and 2018, respectively, under certain data licensing agreements. As of December 31, 2019, future material capital commitments under certain data licensing agreements were \$14,773, shown as follows:

| (In thousands) Year | December 31, 2019 | |
|------------------------|-------------------|--------|
| 2020 | \$ | 7,506 |
| 2021 | | 5,615 |
| 2022 | | 1,652 |
| Total | \$ | 14,773 |

(b) Employment agreements

We have employment agreements with certain executives, mainly including our Chief Executive Officer, President, Chief Financial Officer and Chief Information Officer, which provide for compensation and certain other benefits and for severance payments under certain circumstances.

(c) Contingency

The Company establishes accruals for those contingencies where the incurrence of a loss is probable and can be reasonably estimated, and it discloses the amount accrued and the amount of a reasonably possible loss in excess of the amount accrued, if such disclosure is necessary for our financial statements to not be misleading. To estimate whether a loss contingency should be accrued by a charge to income, the Company evaluates, among other factors, the degree of probability of an unfavorable outcome and the ability to make a reasonable estimate of the amount of the loss. The Company does not record liabilities when the likelihood that the liability has been incurred is probable, but the amount cannot be reasonably estimated.

On June 21, 2018, the U.S. Supreme Court in *South Dakota v. Wayfair, Inc. et al*, overturned prior law which required physical presence for nexus and endorsed economic nexus as a basis for South Dakota to require online merchants to collect and remit sales taxes, even if the business does not have an in-state physical presence (the "Wayfair Decision"). As of December 31, 2019, the vast majority of states have enacted or announced their own interpretation of the Wayfair Decision. The Company collects and remits sales tax in certain states as a result of the Wayfair Decision and as a result of its continued overall compliance and review practice related to its sales and use tax obligations. Resulting from the finalization and settlement of an open state sales and use tax audit, the Company accrued for a sales and use tax expense of \$245 as of December 31, 2019. With this matter now closed, the Company does not expect any adverse decisions related to state sales and use tax that would result in any additional loss.

The Company may be involved in litigation from time to time in the ordinary course of business. The Company does not believe that the ultimate resolution of any such matters will have a material adverse effect on its business, financial condition, results of operations or cash flows. However, the results of such matters cannot be predicted with certainty and the Company cannot assure you that the ultimate resolution of any legal or administrative proceeding or dispute will not have a material adverse effect on its business, financial condition, results of operations and cash flows.

DESCRIPTION OF CAPITAL STOCK

The following is a summary of red violet's capital stock. All references herein to "certificate of incorporation" and "bylaws" are to red violet's "amended and restated certificate of incorporation" and "amended and restated bylaws," which are incorporated by reference as exhibits into red violet's Annual Report on Form 10-K for the year ended December 31, 2019. These summaries and descriptions do not purport to be complete and are qualified in their entirety by reference to these documents, which you should read for a complete description of red violet's capital stock.

Authorized Capital Stock

red violet is authorized to issue 200,000,000 shares of common stock, par value \$0.001 per share, and 10,000,000 shares of preferred stock, par value \$0.001 per share.

Common Stock

red violet is authorized to issue 200,000,000 shares of common stock, par value \$0.001 per share. The holders of common stock are entitled to one vote per share on all matters submitted to a vote of stockholders, including the election of directors, except for amendments to the certificate of incorporation relating solely to the terms of a series of preferred stock. Additionally, all matters submitted to a vote of stockholders require the affirmative vote of the stockholders holding a majority of the shares. There are no cumulative voting in the election of directors. In the event of red violet's liquidation or dissolution, holders of common stock will be entitled to share ratably in all assets remaining after payment of liabilities and the liquidation preferences of any outstanding shares of preferred stock. Holders of common stock have no preemptive rights and have no right to convert their common stock into any other securities and there are no redemption provisions applicable to the common stock.

The holders of common stock will be entitled to any dividends that may be declared by the red violet Board out of funds legally available for payment of dividends subject to the prior rights of holders of preferred stock and any contractual restrictions red violet has against the payment of dividends on common stock. red violet has not paid any cash dividends on its common stock since inception and it does not plan to pay any cash dividends on its common stock in the foreseeable future.

As of December 31, 2019, red violet had 11,554,765 shares of common stock outstanding.

Treasury Stock

As of December 31, 2019, red violet had 103,147 shares of treasury stock.

Preferred Stock

red violet is authorized to issue 10,000,000 shares of "blank check" preferred stock with designations, rights and preferences as may be determined from time to time by the red violet Board. As of December 31, 2019, red violet had no shares of any class of preferred stock outstanding.

Issuance of "blank check" preferred stock

red violet's certificate of incorporation authorizes the issuance of up to 10,000,000 shares of "blank check" preferred stock with designations, rights and preferences as may be determined from time to time by the red violet Board. The red violet Board is empowered, without shareholder approval, to issue a series of preferred stock with dividend, liquidation, conversion, voting or other rights which could dilute the interest of, or impair the voting power of, its common stockholders. The issuance of a series of preferred stock could be used as a method of discouraging, delaying or preventing a change in control. For example, it would be possible for the red violet Board to issue preferred stock with voting or other rights or preferences that could impede the success of any attempt to effect a change in control of red violet.

red violet's bylaws also allows the red violet Board to fix the number of directors, however, the certificate of incorporation requires that the red violet Board be composed of a least three and no more than 15 directors. red violet's stockholders will not have cumulative voting in the election of directors.

Anti-takeover Provisions

In general, Section 203 of the Delaware General Corporations Law (the “DGCL”) prohibits a Delaware corporation with a class of voting stock listed on a national securities exchange or held of record by 2000 or more stockholders from engaging in a “business combination” with an “interested shareholder” for a three-year period following the time that this shareholder becomes an interested shareholder, unless the business combination is approved in a prescribed manner. A “business combination” includes, among other things, a merger, asset or stock sale or other transaction resulting in a financial benefit to the interested shareholder. An “interested shareholder” is a person who, together with affiliates and associates, owns, or did own within three years prior to the determination of interested shareholder status, 15% or more of the corporation’s voting stock. Under Section 203, a business combination between a corporation and an interested shareholder is prohibited unless it satisfies one of the following conditions:

- before the shareholder became interested, the board of directors approved either the business combination or the transaction which resulted in the shareholder becoming an interested shareholder;
- upon consummation of the transaction which resulted in the shareholder becoming an interested shareholder, the interested shareholder owned at least 85% of the voting stock of the corporation outstanding at the time the transaction commenced, excluding for purposes of determining the voting stock outstanding (but not the outstanding voting stock owned by the interested stockholder), shares owned by persons who are directors and also officers, and employee stock plans, in some instances; or
- at or after the time the shareholder became interested, the business combination was approved by the board of directors of the corporation and authorized at an annual or special meeting of the stockholders by the affirmative vote of at least two-thirds of the outstanding voting stock which is not owned by the interested shareholder.

The DGCL permits a corporation to opt out of, or choose not to be governed by, its anti-takeover statute by expressly stating so in its original certificate of incorporation (or subsequent amendment to its certificate of incorporation or bylaws approved by its stockholders). red violet’s certificate of incorporation contains a provision expressly opting out of the application of Section 203 of the DGCL; therefore the anti-takeover statute does not apply to red violet.

Exclusive Jurisdiction

Unless red violet consents in writing to the selection of an alternative forum, the sole and exclusive forum for (i) any derivative action or proceeding brought against or on behalf of red violet, (ii) any action asserting a claim of breach of a duty owed by any current or former director, officer, other employee or stockholder of red violet to red violet or red violet’s stockholders, (iii) any action asserting a claim arising pursuant to any provision of the Delaware General Corporation Law, (iv) any action as to which the Delaware General Corporation Law confers jurisdiction upon the Court of Chancery in the State of Delaware, or (v) any action asserting a claim governed by the internal affairs doctrine, shall, to the fullest extent permitted by law, be the Court of Chancery in the State of Delaware (or, only if the Court of Chancery in the State of Delaware declines to accept jurisdiction over a particular matter, any state or federal court located within the State of Delaware). However, Section 27 of the Exchange Act creates exclusive federal jurisdiction over all suits brought to enforce any duty or liability created by the Exchange Act or the rules and regulations thereunder, and as such, the exclusive jurisdiction clauses set forth above would not apply to such suits. Furthermore, Section 22 of the Securities Act provides for concurrent jurisdiction for federal and state courts over all suits brought to enforce any duty or liability created by the Securities Act or the rules and regulations thereunder, and as such, the exclusive jurisdiction clauses set forth above would not apply to such suits.

Special Shareholder Meetings and Action by Written Consent

Under red violet’s bylaws, the Chairperson of the Board of Directors, its President and a majority of the members of the Board of Directors may each call a special meeting of stockholders. The bylaws do not permit meetings of stockholders to be called by any other person. red violet’s certificate of incorporation specifically prohibits action by its stockholders by written consent without a meeting of the stockholders unless authorized in advance by a resolution adopted by the red violet Board or otherwise provided for or fixed pursuant to the provisions of the certificate of incorporation relating to the rights of holders of any series of preferred stock.

Any aspect of the foregoing, alone or together, could delay or prevent unsolicited takeovers and changes in control or changes in red violet’s management.

Transfer Agent and Registrar

Continental Stock Transfer & Trust Company is the transfer agent and registrar for red violet's common stock. Their contact information is: 1 State Street, 30th Floor, New York, NY 10004, phone number (212) 845-3249, www.continentalstock.com.

Trading Market

red violet's common stock commenced trading on The NASDAQ Capital Market under the symbol "RDVT" on March 27, 2018.

**RESTRICTED STOCK UNIT AGREEMENT
PURSUANT TO THE
RED VIOLET, INC.
2018 STOCK INCENTIVE PLAN**

THIS AGREEMENT is made as of the **28th day of October, 2019**, between Red Violet, Inc. (“Company”), a Delaware corporation, and _____ (“Participant”). Capitalized terms not defined herein shall have the meaning ascribed thereto in the Red Violet, Inc. 2018 Stock Incentive Plan (as amended from time to time, the “Plan”). This Agreement shall be effective as of the date hereof (“Effective Date”).

1. Award.

(a) **Shares.** Pursuant to the Plan, the Company hereby grants to the Participant the right to receive _____ (_____) shares of the Company’s Common Stock upon the satisfaction of certain conditions (the “Restricted Stock Units”). Shares of the Company’s Common Stock shall be issued only upon vesting of the Restricted Stock Units and only upon the satisfaction of the terms and conditions set forth herein and in the Plan (such shares shall be referred to hereafter as the “Award Stock”).

(b) **Plan Incorporated.** Participant acknowledges receipt of a copy of the Plan, and agrees that this Award of Restricted Stock Units shall be subject to all of the terms and conditions set forth in the Plan, including future amendments thereto, if any, pursuant to the terms thereof, which Plan is incorporated herein by reference as a part of this Agreement.

2. Restricted Stock Units. Participant hereby accepts the Restricted Stock Units when issued and agrees as follows:

(a) **Vesting.** No Award Stock shall be issued pursuant to the unvested Restricted Stock Units. Except as otherwise provided for in the Plan and this Agreement, the Restricted Stock Units shall vest upon the satisfaction of the time-based vesting requirements set forth below (each, a “Time-Based Vesting Requirement”) provided that the Performance Criteria (as defined in Section 2(b)) is met:

| <u>Date</u> | <u>Total Percentage Vested</u> |
|-------------------------------------------------------|--------------------------------|
| September 1, 2020 (“First Time Vesting Date”) | 33-1/3% |
| September 1, 2021 (“Second Time Vesting Date”) | 66-2/3% |
| September 1, 2022 (“Third Time Vesting Date”) | 100% |

There shall be no proportionate or partial vesting in the periods between the vesting dates and all vesting shall occur only on the aforementioned vesting dates.

(b) **Performance Goal.** Except as otherwise provided for in the Plan, the Employment Agreement (as hereinafter defined), and this Agreement, the Restricted Stock Units shall not vest unless and until the Company has, for any fiscal quarter in which the Restricted Stock Units are outstanding, (i) gross revenue determined in accordance with the Company’s reviewed and or audited financial statements in excess of \$12.5 million for such fiscal quarter, (ii) positive adjusted EBITDA of at least \$2.0 million, also as determined based on the Company’s reviewed or audited financial statements for such fiscal quarter and reported on Company’s Quarterly Reports on Form 10-Q or Annual Reports of Form 10-K and (iii) the Participant continues to provide services to the Company either as an employee, director or consultant on the last date of the quarter that the Performance Criteria is met (collectively, (i-iii), the “Performance Criteria”). Revenue and expenses from acquisitions made after the Effective Date and prior to the achievement of the Performance Criteria shall not be included in the determination of whether the Company has achieved the Performance Criteria.

(c) Termination of Employment or Other Service; Change in Control.

(i) General. Except as otherwise provided in this Agreement, if Participant's employment or other service with the Company terminates, all Restricted Stock Units invested at the time of termination shall expire and be forfeited immediately and returned to the Company.

(ii) Death. In the event that the Participant dies while in the employment or other service of the Company, all Restricted Stock Units which have not vested on the date of death shall immediately vest.

(iii) Disability. In the event that the Participant's employment or other service with the Company is terminated by reason of Disability, the Committee may, in its sole discretion, provide that Restricted Stock Units which have not vested on the date of such termination shall immediately vest.

(iv) Change in Control. In the event of a Change in Control, all Restricted Stock Units which have not vested on the date of such Change in Control shall immediately vest.

(d) Transferability. The Restricted Stock Units may not be sold, assigned, pledged, exchanged, hypothecated or otherwise transferred, encumbered or disposed of unless the Plan so provides.

Distribution. Within 10 business days of the Company satisfying the Performance Criteria, the Company's CFO shall provide a certification to the Company's Compensation Committee (the "CFO Certification") that the Performance Criteria have been met for the prior fiscal quarter and the name of each employee, director or consultant as of the last day of the prior fiscal quarter who have equity awards subject to the Performance Criteria. Unless otherwise provided in the Restricted Stock Unit Deferral Election Form attached hereto as Appendix A, the Company shall, subject to the Time-Based Vesting Requirements, deliver a certificate evidencing shares of Award Stock to the Participant, direct its transfer agent to register such shares in book entry form or directly to the Participant consistent with applicable laws: (i) if the Performance Criteria is achieved for the first time and the First Time Vesting Date has passed, within 10 days of the CFO Certification for the first, second, third and fourth fiscal quarters in a calendar year and no event later than seventy-five (75) days following the quarter ended; or (ii) if the Performance Criteria was previously achieved, within thirty (30) days following the satisfaction of the Time-Based Vesting Requirements. For purposes of clarification, if the Performance Criteria have been met for the first time after the Second Time Vesting Date and on or before the quarter ending associated with the Third Time Vesting Date, then Participant shall receive the number of Restricted Stock Units associated with all prior Time Vesting Dates. Notwithstanding the foregoing, if the Restricted Stock Units vest due to: (i) a Change in Control, the certificate evidencing shares of Award Stock shall be delivered immediately upon the Change in Control, or (ii) a termination of employment due to death or Disability, the certificate evidencing shares of Award Stock shall be delivered within thirty (30) days following such termination of employment. For the Restricted Stock Unit Deferral Election Form to be effective, it must be received by the Company on the Effective Date, or to the extent that none of the Restricted Stock Units vest within 12 months of the Effective Date, no later than 30 days following the Effective Date. The Company must achieve the Performance Criteria no later than the quarter ending during the Third Time Vesting Date to receive any distributions under this Restricted Stock Unit Agreement.

3. Withholding. To the extent that this Award or the delivery of any Award Stock causes the Participant to be subject to any tax withholding obligations, the Participant shall meet such obligations as provided for in the Plan.

4. Status as a Shareholder. Unless otherwise provided in the Plan, Participant shall have no rights of a shareholder with respect to the Restricted Stock Units until the Award Stock is issued to him or her pursuant to Section 2 above.

5. Committee's Powers. No provision contained in this Agreement shall in any way terminate, modify or alter, or be construed or interpreted as terminating, modifying or altering any of the powers, rights or authority vested in the Committee or, to the extent delegated, in its delegate pursuant to the terms of the Plan or resolutions adopted in furtherance of the Plan, including, without limitation, the right to make certain determinations and elections with respect to the Restricted Stock Units.

6. Binding Effect. This Agreement shall be binding upon and inure to the benefit of any successors to the Company and all persons lawfully claiming under Participant.

7. Governing Law. This Agreement shall be governed by, and construed in accordance with, the laws of the State of Delaware.

8. **Miscellaneous.**

(a) **Provisions of Plan and Other Agreements Control.** This Agreement is subject to all the terms, conditions and provisions of the Plan, including, without limitation, the amendment provisions thereof, and to such rules, regulations and interpretations relating to the Plan as may be adopted by the Board and as may be in effect from time to time. The Plan is incorporated herein by reference. If and to the extent that this Agreement conflicts or is inconsistent with the terms, conditions and provisions of the Plan, the Plan shall control, and this Agreement shall be deemed to be modified accordingly. Notwithstanding the foregoing, in the event of any conflict between the terms of this Agreement and the terms of the Employment Agreement between the Company and the Participant dated March 26, 2018 (the "Employment Agreement"), the terms of the Employment Agreement shall prevail.

(b) **No Third-Party Beneficiaries.** This Agreement shall not confer any rights or remedies upon any person other than the parties and their respective successors and permitted assigns.

(c) **Section 409A Compliance.** It is intended that all compensation payable pursuant to this Agreement are exempt from or, alternatively, comply with Section 409A of the Code (and any legally binding guidance promulgated under Section 409A of the Code, including, without limitation, the Final Treasury Regulations) ("Code Section 409A"), and this Agreement will be interpreted, administered and operated accordingly. In the event that any provision of this Agreement is inconsistent with Code Section 409A or such guidance, then the applicable provisions of Code Section 409A shall supersede such inconsistent provision. Notwithstanding the foregoing, in no event will any of Company, its parent, or their respective subsidiaries, affiliates, or officers, directors, employees, or agents have any liability for failure of the form of this Agreement to be exempt from or comply with Code Section 409A and none of the foregoing guarantees that the form of this Agreement is exempt from or complies with Code Section 409A. For all purposes under Code Section 409A, Executive's right to receive any payments pursuant to this Agreement shall be treated as a right to receive a separate and distinct payment, and any payments to be made in installments shall be deemed to be a series of separate payments. Whenever a payment under this Agreement specifies a payment period with reference to a number of days, the actual date of payment within the specified period shall be within the sole discretion of Company. A termination of employment under this Agreement shall mean a "separation from service" under Code Section 409A. Notwithstanding any provisions of the Agreement to the contrary, to the extent that Code Section 409A would cause an adverse tax consequence to the Participant, a Change in Control shall not be deemed to occur for purposes of this Agreement unless the Change in Control meets the definition ascribed to the phrase "Change in the Ownership or Effective Control of a Corporation or in the Ownership of a Substantial Portion of the Assets of a Corporation" under Treasury Department Regulation 1.409A-3(i)(5), as revised from time to time in either subsequent regulations or other guidance.

(d) **Entire Agreement; Amendments.** This Agreement (including the documents and exhibits referred to herein) and the Plan constitutes the entire agreement among the parties and supersedes any prior understandings, agreements, or representations by or among the parties, written or oral, that may have related in any way to the subject matter hereof. This Agreement may not be amended, supplemented, or modified in whole or in part except by an instrument in writing signed by the party or parties against whom enforcement of any such amendment, supplement, or modification is sought.

(e) **Counterparts.** This Agreement may be executed in one or more counterparts, each of which will be deemed an original and all of which together will constitute one and the same instrument.

NESS WHEREOF, the Company has caused this Agreement to be duly executed by an officer thereunto duly authorized, and the Participant has executed this Agreement, all as of the date first above written.

RED VIOLET, INC.

By:

Name:
Title:
Date: **October 28, 2019**

PARTICIPANT

Date: **October 28, 2019**

**APPENDIX A:
RED VIOLET, INC. 2018 STOCK INCENTIVE PLAN
RESTRICTED STOCK UNIT
DEFERRAL ELECTION FORM¹**

FOR THIS DEFERRAL ELECTION TO BE EFFECTIVE, IT MUST BE RECEIVED BY THE COMPANY ON THE EFFECTIVE DATE, OR TO THE EXTENT THAT NONE OF THE RESTRICTED STOCK UNITS VEST WITHIN 12 MONTHS OF THE EFFECTIVE DATE, NO LATER THAN 30 DAYS FOLLOWING THE EFFECTIVE DATE.

A. PARTICIPANT INFORMATION

Address:

B. DEFERRAL ELECTION

For each share of Common Stock to be issued to me pursuant to the Restricted Stock Unit Agreement effective _____, I hereby irrevocably elect to defer the receipt of such Common Stock as set forth below.

C. STOCK ISSUANCE DATE

As Restricted Stock Units vest under your Award, the Company will issue you shares of Common Stock with respect to such vested Restricted Stock Units following the satisfaction of such vesting requirements, in accordance with Section 2(e) of the Restricted Stock Unit Agreement, unless you timely elect to receive the shares at a different time. If you elect a different date, Common Stock will generally be issued to you on such date but only to the extent your Restricted Stock Units are vested and additional shares of Common Stock (if any) will be issued to you when any remaining Restricted Stock Units vest.

I hereby elect to receive my shares of Common Stock on the earlier of (check all that apply):

1. _____, 20____; (enter date)
2. my death;
3. my Disability (as defined in Code Section 409A);
4. a Change in Control (as defined in the Plan); and/or
5. my "separation from service" (as defined in Code Section 409A) with the Company.

To the extent you are a "specified employee" for purposes of Code Section 409A and to the extent Code Section 409A is applicable to deferral of receipt of Common Stock pursuant to this Deferral Election Form (the "Form"), notwithstanding any contrary provision which exists in the Plan or the Agreement, your distribution will be delayed for a period of 6 months as required by Code Section 409A

This Form is subject to all the terms, conditions and provisions of the Plan and the Agreement including, without limitation, the amendment provisions thereof. The Plan and the Agreement are incorporated herein by reference. If and to the extent that this Form conflicts or is inconsistent with the terms, conditions and provisions of the Plan or the Agreement, the Plan and the Agreement shall control, and this Form shall be deemed to be modified accordingly.

SIGNATURE:

Date

_____/_____/_____
Date

¹ Capitalized terms not defined herein shall have the meaning ascribed thereto in the Red Violet, Inc. 2018 Stock Incentive Plan (as amended to date, the "Plan").

**INSTRUCTIONS FOR
RED VIOLET, INC. 2018 STOCK INCENTIVE PLAN
DEFERRAL ELECTION FORM**

This Form is to be used to defer receipt of shares of Common Stock that are issuable under the Plan in connection with Restricted Stock Units. The following instructions provide more information about the Form.

A. PARTICIPANT INFORMATION

Please complete all items.

B. DEFERRAL ELECTION

Please identify the Restricted Stock Units subject to this Form.

C. STOCK ISSUANCE DATE

You may elect the timing of the issuance of your Common Stock to be issued pursuant to the Restricted Stock Units by checking the first box and inserting a specific date in the future that you want such Common Stock issued to you. If you make such an election, you shall be issued Common Stock with respect to any Restricted Stock Units that are vested on the date you elect and shall receive any remaining shares of Common Stock with respect to any other Restricted Stock Units when they vest. Notwithstanding the date you elect to receive your shares of Common Stock, you may choose by checking the corresponding boxes to receive shares of Common Stock corresponding to any vested Restricted Stock Units earlier if and upon occurrence of any of the following events to the extent selected: (1) your death; (2) your Disability; (3) a Change in Control; or (4) a separation from service. If you make no election, the Company will issue you shares of Common Stock with respect to Restricted Stock Units following the satisfaction of such vesting requirements, in accordance with Section 2(e) of the Restricted Stock Unit Agreement.

SUBSIDIARIES

| <u>Name</u> | <u>Jurisdiction of Organization</u> |
|-----------------------------------------------------|-------------------------------------|
| IDI Holdings, LLC | Delaware |
| Interactive Data, LLC | Georgia |
| Red Violet Technologies, LLC | Delaware |
| IDI Verified, LLC | Delaware |
| Forewarn, LLC | Delaware |
| Red Violet Blockchain and Analytical Solutions, LLC | Delaware |
| Whoodle, LLC | Delaware |
| HolSol, LLC | Delaware |

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We have issued our report dated March 12, 2020, with respect to the consolidated financial statements included in the Annual Report of Red Violet, Inc. on Form 10-K for the year ended December 31, 2019. We consent to the incorporation by reference of said report in the Registration Statements of Red Violet, Inc. on Form S-3 (File No. 333-233025) and Form S-8 (File No. 333-224147).

/s/ Grant Thornton LLP

Fort Lauderdale, Florida
March 12, 2020

CERTIFICATIONS

I, Derek Dubner, certify that:

- (1) I have reviewed this Annual Report on Form 10-K of Red Violet, Inc.;
- (2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
- (3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
- (4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
- (5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

March 12, 2020

By: /s/ Derek Dubner
Derek Dubner
Chief Executive Officer
(Principal Executive Officer)

CERTIFICATIONS

I, Daniel MacLachlan, certify that:

- (1) I have reviewed this Annual Report on Form 10-K of Red Violet, Inc.;
- (2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
- (3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
- (4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
- (5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

March 12, 2020

By: /s/ Daniel MacLachlan
Daniel MacLachlan
Chief Financial Officer
(Principal Financial and Accounting Officer)

**CERTIFICATION PURSUANT
TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the accompanying Annual Report on Form 10-K of Red Violet, Inc. for the fiscal year ended December 31, 2019, as filed with the U.S. Securities and Exchange Commission (the "Report"), the undersigned hereby certifies pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, to my knowledge and belief, that:

- (1) the Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended; and
- (2) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Red Violet, Inc.

March 12, 2020

By: /s/ Derek Dubner
Derek Dubner
Chief Executive Officer
(Principal Executive Officer)

The certification set forth above is being furnished as an Exhibit solely pursuant to Section 906 of the Sarbanes—Oxley Act of 2002 and is not being filed as part of the Report or as a separate disclosure document of Red Violet, Inc. or the certifying officers.

**CERTIFICATION PURSUANT
TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the accompanying Annual Report on Form 10-K of Red Violet, Inc. for the fiscal year ended December 31, 2019, as filed with the U.S. Securities and Exchange Commission (the "Report"), the undersigned hereby certifies pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, to my knowledge and belief, that:

- (1) the Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended; and
- (2) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Red Violet, Inc.

March 12, 2020

By: /s/ Daniel MacLachlan
Daniel MacLachlan
Chief Financial Officer
(Principal Financial and Accounting Officer)

The certification set forth above is being furnished as an Exhibit solely pursuant to Section 906 of the Sarbanes—Oxley Act of 2002 and is not being filed as part of the Report or as a separate disclosure document of Red Violet, Inc. or the certifying officers.