**Spencer Sullivan**

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| **Career Profile** | Senior Software/Data/ML Engineer with 6+ years of experience in building scalable applications that rely heavily on data and modeling. Currently helping Spiceworks with Petabyte scale data pipelines and applications. |

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| **Key Skills** | **Platforms:** Amazon Web Services (AWS), On-Premise Cluster  **Big Data Tools:** Hadoop, Hive, Spark, Kafka / Kinesis  **Databases:** Snowflake, Presto, Athena, Redshift, Postgres, Redis, Dynamo  **Programming Languages:** Python, Go, Ruby, SQL, HTML, JS  **Data Pipeline Frameworks:** Airflow, Luigi, Glue, Matillion  **Other:** Docker, Git, Gitlab, Kubernetes, DataDog, Tableau, Lambda, SQS |

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| **Experience** | **Senior Software Engineer, Spiceworks, Austin, TX** 2010 - Present  **Real Time Bidder** - Set of services for intelligently bidding on ad inventory   * Wrote multiple low-latency services (10ms including network latency) * Engineered web server that scaled up to 1 billion requests per day * Productionized machine learning model to compute bids   **Business Identity Graph** - Database of businesses who visited Spiceworks   * Generated graph from millions of data points from several sources * Designed data model where graph was iteratively updated in-place   **Account Intelligence** - Dashboard showing businesses and their interests   * Architected and built data pipeline to leverage business identity graph * Integrated Tensorflow model from data science team into pipeline   **Pixel Tracking** - Web-tracking service integrated with 100's of businesses   * Led rewrite of service * Integrated open-source browser fingerprinting   **Segmentation service** - Puts people into segments based on the actions   * Wrote jobs to send billions of events into system every month * Debugged and resolved problems around user-identity mappings * Worked with Data Science to incorporate intent modeling |

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| **Education** | | | **BS in Computer Science**, University of Texas at Austin 2011 - 2014 | |
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