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.

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

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 SLA)
- 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

EDUCATION

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