Matthew Stanley

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SENIOR SOFTWARE ENGINEER

Software Engineer with 5 years experience designing, building and maintaining data platforms for event driven systems, specializing in (but not limited to) JVM-based programming languages. Domain expert in customer tracking for web-based applications. Currently leading a team of 4 building the next generation event streaming platform at Wayfair. Passionate about developer experience and velocity.

EXPERIENCE

Wayfair   *Boston, MA*

Senior Software Engineer Data and Machine Learning Platforms   Apr, 2018 – present

- Automated compaction of small files across Wayfair's on-premise HDFS cluster, optimizing file sizes to the cluster's block size, realizing a 98% reduction in file count and drastically improving the cluster's performance and life-expectancy.
- Designed and implemented configuration-based ETL framework to generate foundational data assets at scale (using HDFS, Hive, Presto, Parquet, Spark and Airflow) for Wayfair's Machine Learning and Analytics platforms.
- Led the engineering effort of multiple high-impact migrations for Wayfair's high-throughput event ingestion platform: from single to multi-datacenter architecture, from operating on on-premise infrastructure through hybrid cloud to fully on-boarded onto Google Cloud Platform.
- Drove multiple cost saving initiatives across my team's platforms, including: optimizing automated Cloud Storage policies, tuning Dataproc cluster usage and consolidating duplicative processes, leading to $10MM+ annualized in reduced spending.
- Lead an agile team of 4 engineers working on the control plane systems for Wayfair's next generation streaming event ingestion and sourcing platform.

TECHNICAL SKILLS

Cloud Platforms:	Google Cloud Platform
Data Storage:	Avro, Parquet, PostgreSQL, Aerospike, BigQuery, GCS, Kafka
Developer Tooling:	Git, Maven, Buildkite, InfluxDB, Datadog, Grafana, Kibana
Libraries & Frameworks:	Sprint Boot, React, Spark, Flink, Airflow
Operating Systems:	Unix, macOS, Linux (Arch, Fedora)
Programming Langauges:	Python, Java, Bash, JavaScript, TypeScript, Go

EDUCATION

Middlebury College   *Middlebury, VT*

Major: Bachelor of Arts in Computer Science, *summa cum laude*   Feb, 2012 – Feb, 2016
Minor: Mathematics
GPA: *Major:* 3.93/4.0 *Overall:* 3.91/4.0
Honors: Phi Beta Kappa, College Scholar 6 Semesters