

# Matthew Stanley

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## SUMMARY

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I'm a software engineer with a passion for building thoughtful products through high-quality engineering practices, no detail is too small. I'm devoted to finding root causes, answering questions like "How can we do it better?", and being a team multiplier. I love the idea of software engineering as a craft and am constantly searching for just the right balance between idealism and pragmatism. Currently I lead a team of engineers building Wayfair's next-gen streaming ingestion platform at petabyte-scale.

## EXPERIENCE

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### Wayfair

*Boston, MA*

#### Senior Software Engineer Data and Machine Learning Platforms

Apr, 2018 – present

- Drastically improved performance and life-expectancy of Wayfair's on-premise HDFS cluster by implementing a process for the compaction of small files across the cluster, realizing a 98% reduction in the number of files.
- Designed and implemented configuration-based ETL platform 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 running on on-premise infrastructure through hybrid cloud to fully on-boarded onto Google Cloud Platform.
- After on-boarding my team's systems to GCP I drove cost saving initiatives across our platform leading to almost \$9MM in reduced spending.
- Lead a team of 3 engineers working on the control plane systems for Wayfair's next generation data ingestion platform.

## TECHNICAL SKILLS

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<b>Cloud Platforms:</b>	Google Cloud Platform
<b>Data Formats:</b>	Avro, Parquet
<b>Databases:</b>	PostgreSQL, MariaDB, Aerospike, Hive, Presto, BigQuery
<b>Dev Tools:</b>	Git, Maven, Make, Buildkite, InfluxDB, Datadog, Grafana, Kibana
<b>Libraries &amp; Frameworks:</b>	Sprint Boot, React, Kafka, Spark, Flink, Airflow
<b>Operating Systems:</b>	Unix, macOS, Linux (Arch, Fedora)
<b>Programming Languages:</b>	Python, Java, Bash, JavaScript, Go, PHP

## EDUCATION

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### Middlebury College

*Middlebury, VT*

**Major:** Bachelor of Arts in Computer Science, *summa cum laude*

Feb, 2012 – Feb, 2016

**Minor:** Mathematics

**GPA:** Major: 3.93 Overall: 3.91

**Honors:** Phi Beta Kappa, College Scholar 6 Semesters