Matthew Stanley

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Summary

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

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

Dev Tools:	git, gcc, make
Libraries & Frameworks:	Backbone.js, Node.js, WebGL, Flask, Django, jQuery
Operating Systems:	Unix, Mac OS X, Linux (Arch, Fedora)
Programming Langauges:	Python, Java, C, Javascript, HTML, CSS

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 *Overall:* 3.91
Honors: Phi Beta Kappa, College Scholar 6 Semesters