

Tristan Rhodes

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EXPERIENCE

Engineer 3 – LaunchDarkly

Oct 2024 – Current

Data Platform

San Francisco, CA

- Leading the engineering effort to migrate our Experimentation platform onto our in-house data warehouse.

Engineer 2 – LaunchDarkly

September 2023 – Oct 2024

Data Platform

San Francisco, CA

- Led a small team that implemented a Spark data pipeline processing ~50 million events/minute to run an analysis of covariance regression on A/B test results. The method is better known as CUPED. This led to a 14% variance reduction on customer experimentation results, ultimately saving our customers 24 hours per one week of experiment duration and \$30,000/month. (Scala, Spark, Airflow)
- Led the data engineering effort of LaunchDarkly's error monitoring tool, Visor. This was a net-new market segment for the company and required a 0 to 1 build. (Go, Terraform, AWS Lambda)
- Developed a Flink pipeline that ingests a datastream of feature flag evaluations (40 trillion events/day) and monitors it in real-time to detect and mitigate user-defined software regressions. (Scala, Flink)
- Designed, implemented, and deployed from scratch an application that snapshots and persists large A/B test results for all of our customers on a 5 minutely basis. (Go, AWS Lambda)

Engineer 1 – Nordstrom

November 2021 – September 2023

Experimentation

Seattle, WA — San Francisco, CA

- Led the development of our in-house feature flagging service used by 70+ other teams in Nordstrom Tech. (Go, React, PostgreSQL, Redis)
- Maintained the site-wide Experimentation/AB testing framework for new feature and performance testing. Built with real-time stream processing, distributed computing, and large-scale data pipelines. (Java/Kotlin, Kafka, Flink, Redis)
- Integrated our experimentation platform with the most current mobile app major version upgrade. (Kotlin, Java, React Native, Swift)
- Designed and implemented a command line tool to analyze Kafka streams in real-time. (Typescript, Bash, Kafka)

Mycology Researcher

2019 – 2021

Whitman College

Walla Walla, WA

- As part of my research, I wrote data pipelines to transform and analyze fungal genome sequencing data. I documented 11 novel associations of ascomycetes within *Larix occidentalis*. Funded through a research grant by Whitman College.

PROJECTS

recruiterfetch.com | Go, HTMX

current

- A web app that allows users to input any company name and retrieve the technical recruiters associated with the company.

Market Making Agent | Typescript, Java

current

- An autonomous market making agent running on a network of accounts operating on the Runescape Grand Exchange. It uses machine learning models to rank and execute liquidity harvesting trades in real time.

EDUCATION

Whitman College

Walla Walla, WA

Bachelor's Molecular Biology

TECHNICAL SKILLS

Languages: Golang, Typescript, Scala, Python, Java, Lisp

Frameworks: Spark, Flink, React, Redis, HTMX, Kafka, SQL + noSQL

Ops: AWS, Terraform, Docker, Kubernetes, Airflow, Git