

Chet Aldrich

SOFTWARE ENGINEER

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Summary

Software Engineer capable of leading development on scalable systems impacting millions of users.

Work Experience

Root Insurance

Remote

STAFF SOFTWARE ENGINEER

Oct. 2021 - Present

- Act as technical lead for policy lifecycle and billing group. This group maintains systems responsible for modifying existing insurance policies, sending required forms and disclosures, and bringing in all of Root's premium and fee revenue (millions of dollars a day).
- Designed and built a system for allowing state managers to configure fee revenue by market, improving our time to market on pricing changes and allowing Root to collect an incremental \$20 million a year in revenue.
- Designed, built, and deployed a customer profile storage system. This service reduced read load on the monolith's primary database by about 20% and afforded new use cases, such as employing the customer profile for use in automated underwriting decisions and faster pricing impact analysis workflows.
- Moved the entire company's monitoring and alerting infrastructure from Grafana to Datadog, saving the company about \$100,000 a year.

Amazon

Remote

SOFTWARE DEVELOPMENT ENGINEER

Apr. 2020 - Aug. 2021

- Led a project to generalize an application used for handling support issues for Amazon sellers to be used for vendors as well, deprecating a redundant system and providing updated search functionality for hundreds of thousands of vendors selling their goods on Amazon.

Postmates

San Francisco, CA

SENIOR SOFTWARE ENGINEER

Sep. 2017 - Apr. 2020

- Built and released an inventory management system for the Postmates integration with Google Search, Maps, and the Assistant. Also was responsible for ongoing development of the integration, which grew to generate an incremental \$1.4 million in revenue weekly.
- Rebuilt search from the ground up, moving from a third-party solution to a system with incremental search for places on the Postmates platform. This system supported all search traffic at Postmates.
- Expanded the search API to include local product search, product search within menus/catalogs, and search suggestions, coordinating with client engineers from three platforms (Android, iOS, Web) to consume the new API.
- Built a substantial portion of the data pipeline behind the Postmates feed. Various optimizations led to a 1.5% increase in deliveries, a 2% increase in first time jobs, and a reduction in average drop off distance across all deliveries.

Pandora

Oakland, CA

SOFTWARE ENGINEER

Aug. 2016 - Aug. 2017

- Built a MapReduce pipeline to estimate reach and frequency for ad campaigns which decreased forecast runtime by 37 percent.
- Built automated reporting jobs to identify trending artist messages and featured tracks for the Music Makers team.

Education

Carleton College

Northfield, MN

B.A. COMPUTER SCIENCE

Sep. 2012 - Jun. 2016

- Rewarded distinction in the major for outstanding work in the senior integrative exercise.

Skills

Languages Python, Scala, Java, Go, Ruby, Rust

Deployment Platforms AWS, Google Cloud Platform, Kubernetes

Databases Postgres, DynamoDB, Bigtable/HBase

Tools Git, Vim, Docker, Terraform, \LaTeX