

# Chet Aldrich

SOFTWARE ENGINEER

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## Summary

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Currently a full-stack engineer on the Selling Partner Services team at Amazon.

## Work Experience

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### Amazon

SOFTWARE DEVELOPMENT ENGINEER

*Detroit, MI*

*Apr. 2020 - Present*

- Currently working on improving the seller experience.

### Postmates

SENIOR SOFTWARE ENGINEER

*San Francisco, CA*

*Sep. 2017 - Apr. 2020*

- Integrations
  - Built and released 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.
- Search
  - 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 grew to support 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.
- Recommendations
  - Built a substantial portion of the data pipeline powering a new iteration on the Postmates feed. This led to significant bumps to major metrics, including a roughly 1-2% increase in deliveries, 2% increase in first time jobs, and a reduction in average drop off distance across all deliveries.
- Infrastructure
  - Maintain and provide libraries for a multi-cluster deployment of Bigtable, used by the Buyer team extensively in production.
  - Built IAM policies and established patterns for provisioning infrastructure with Terraform for the Buyer team during our transition to Google Cloud Platform.
  - Built infrastructure and common libraries to simplify data processing and I/O in Apache Beam that is now relied on by 4 teams at Postmates.
  - Built tooling to make it simple to create new search indices at Postmates, and have since used it to create search services internally for a customer support tool and our place matcher.

### Pandora

SOFTWARE ENGINEER

*Oakland, CA*

*Aug. 2016 - Aug. 2017*

- Built a MapReduce pipeline within Google Cloud Dataproc to estimate reach and frequency for ad campaigns leading to a 37 percent decrease in runtime for the average forecast.
- Built automated reporting jobs to identify trending artist messages and featured tracks for the Music Makers team.
- Discovered the reason an analytics job was causing batch processors to crash in production and remedied the issue by reducing its memory footprint by roughly 30 percent.

## Education

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### Carleton College

B.A. COMPUTER SCIENCE

*Northfield, MN*

*Sep. 2012 - Jun. 2016*

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

## Skills

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- Main** Scala, Java, Go, Apache Beam
- Proficient** Python, Google Cloud Platform (Bigtable, BigQuery, Cloud Storage, etc.), Terraform, Gradle, PostgreSQL
- Familiar** Elasticsearch, gRPC, Docker, Kubernetes