Kristen Mills

Software Engineer

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Summary

Senior Software Engineer with 6+ years of professional experience across the stack based in Seattle, WA.

Work Experience

Superhuman
Seattle, WA (Remote)

Senior Software Engineer *July 2020 - Present*

Senior Engineer on the 4 person backend engineering team at Superhuman. I work on building the backend for the core features of the Superhuman Mail client, as well as maintaining and supporting our backend infrastructure and internal tooling.

- Led a project to add functionality for our delight team to be able to restore drafts for customers, improving the customer experience and saving time for the delight team.
- Tech lead for our add to teams experience, a feature that allows for customers to consolidate their billing under one account.
- Lead the efforts of supporting sends in superhuman for O365, designing and building that system.
- Led various reliability efforts around improving notifications delivery as well as rethinking our metrics pipeline.

Postmates
San Francisco, CA

Software Engineer *Feb 2017 - Oct 2019*

Frontend Web Engineer on the Growth team then Fullstack/Backend Engineer on our Consumer Applications team, I worked on several different efforts:

- Rebuilt the postmates.com web app from the ground up. Key contributions include the homepage, merchant page and the checkout experience as well creating the plan and executing the actual launch and migration to the new web app. I also started the effort of moving our team from Javascript to Typescript
- Built and maintain our initial server side rendering flow in the new web application significantly decreasing initial render time for high traffic pages.
- Work on backend services for various features including web push notifications, customer default settings, place availability notifications, and some internal tooling.
- Contributed core features to our in house document store including support for ACID transactions and composite indexes. While this was a good learning experience, once I became lead engineer on the project, I chose to migrate us to Google Datastore and Cloud Bigtable and led that effort and maintenance going forward.
- Built several offline data processing jobs in Scala and Apache Beam for various features such as place tagging, sitemaps, and our google ordering partnership which was generating an incremental $1.4 million in revenue weekly.
- Designed and implemented a new solution for storing and maintaining carts.
- Maintain our teams terraform configs, Kubernetes deployments, and ci/cd workflows.
- Led efforts on improving developer experiences and enforcing best practices in our go applications
- Provide technical leadership to the web team, as well mentoring junior and mid level engineers across the stack.

Amazon
Seattle, WA

Software Development Engineer *Jan 2016 - Jan 2017*

Engineer on the Follows Team, which is responsible for the follow button and backing services that allow customers to follow entities (Authors, Brands, Customers, etc.) on Amazon and receive updates on the entities you follow, as well as providing recommendation on entities to follow. My contributions included:

- Built the recommendation tooltip frontend and backend and started the initial work on the recommendation page, introducing the team to React and setting up the initial infrastructure for that effort.
- Built feature for sending out email notifications when authors you follow publish new releases

Software Development Engineer Intern *June - Aug 2014*

Intern on the Item Data Quality team, which is responsible for the accuracy and quality of data collected on item dimensions in the fulfillment center. I created a new troubleshooting internal tool that allowed for self service handling of incorrect data gathered. Resolving these issues used to be a manual task that had to be done our teams on call so this significantly reduced our teams ops burden and number of incoming tickets each week.

Open Source

Flexget
https://github.com/flexget

Media automation tool, I am a contributor to the core python application as well as the primary maintainer of the React/Typscript Web UI.

Technologies

Languages: Go, Typescript/Javascript/Node, Scala, Python, Ruby, Nginx
Frameworks: React/Redux, Graphql, Rails, Express, Django, Apache Beam
Databases: Bigtable, Google Datastore/Firestore, Bigquery, Postgres, Etcd, Memcached
Infra Tooling/Dev ops: Kubernetes, Docker, Google Cloud Platform, Terraform, Prometheus, Grafana

Education

Rochester Institute of Technology
Class of 2016

BS, Software Engineering. Minors in Applied Mathematics and Computer Science

* Full work history available on LinkedIn*