

Kristen Mills | Software Engineer

✉ kristen@knm.dev • 🌐 knm.dev • 📷 kristenmills • in millsk91

Work Experience

Postmates

Seattle, WA (Remote)/San Francisco, CA

Senior Software Engineer, Growth and Buyer Teams

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:

- Rebuild 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 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.
- Designed and implemented a new solution for storing and maintaining carts.
- Maintain our 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

SDE I, Follow Team

Jan 2016-Jan 2017

Engineer on the Follow Team, which owns the follow button and backing services allow customer to follow entities (Authors, Brands, Customers, etc.) on Amazon, recommends entities to follow and provides updates to customers from the entities they 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.

Amazon

Seattle, WA

SDE Intern, Item Data Quality

Summer 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.

TiVo

Alviso, CA

Software Engineering Intern

Summer 2013

Worked on a small development team writing various scripts and tools in python as well as fixing existing bugs

Lenel Systems International

Pittsford, NY

Software Engineering Co-op

Summer/Fall 2012

Worked on UI components in Visual C++, enhanced existing functionality in Visual C++ and C#, and cleaned up the build by writing several MSBuild Scripts and organizing the codebase

Skills

Languages: Go, Typescript/Javascript/Node, Scala, Python, Ruby, Nginx

Frameworks: React/Redux, GraphQL, Apache Beam, Django, Rails

Datastores: Bigtable, Google Datastore/Firestore, Bigquery, Postgres, Etcd, Memcached

Infra Tooling/Dev Ops: Kubernetes, Docker, GCP, Terraform, Prometheus, Grafana, AWS

Open Source

FlexGet:

<https://github.com/Flexget/Flexget>

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

Education

Rochester Institute of Technology

BS, Software Engineering

Minor in Computer Science

Rochester, NY

Class of 2016