

Kasper Nilsson

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EXPERIENCE

Waymo, San Francisco, CA — Software Engineer

Full stack + product engineer building tools with Angular, Dart, Typescript, and C++, as well as a Spanner (SQL) database. Co-owner of Waymo's shared frontend component library.

Simulation

SEPTEMBER 2022 - PRESENT

Owner of the debugging tooling and status pages for the Waymo SimQueue, the largest compute customer at Alphabet -- simulates 8 hours of driving per second.

Fleet Infrastructure

FEBRUARY 2019 - SEPTEMBER 2022

Notable projects include tooling for car routing, data gathering, and car capabilities management and process optimization. Was responsible for all autonomous miles gathered in San Francisco (hundreds of concurrent vehicles).

Google, San Francisco, CA — Software Engineer

Query Debugger (Product)

NOVEMBER 2018 - FEBRUARY 2019

Full stack + UX engineer and owner of the main platform for Google Search debugging and experimentation, built with Polymer and Typescript on the front end and a microservice backend written in Go, as well as a Spanner (SQL) database.

Focused on increasing productivity for non-technical users. Notable launches include bulk debugging of queries and a tool for rating experiments that eventually fully automated the job.

PolyGerrit

AUGUST 2016 - NOVEMBER 2018

Full stack engineer and maintainer for the open source Gerrit Code Review using Web Components, Java, and Bazel. Hosted version of the project is current live to >70k MAU and is the chosen tool of Chrome and Android, as well as SAP, Ericsson, and the Eclipse foundation externally.

UpChannel, College Park, MD — Software Engineer

DECEMBER 2015 - JULY 2016

Bootstrapped a local startup eventually valued at \$4M in Fall 2016. Designed and built a data dashboard for visualization and analysis. Utilized React, Redux, LESS, and Jade.

EDUCATION

University of Maryland — Mathematics, Computer Science

SPRING 2016

SKILLS

Experienced with **front-end development**, including with Polymer, Angular, React, React Native, Redux, Vue, TailwindCSS, NextJS and Typescript

Experience building **REST APIs** with a **Golang microservice architecture**, as well as **SQL** and **NoSQL** databases

Passion for **UX-driven development**. Worked 1-1 with UX designers to iterate on mocks and develop features with the user in mind

Some experience with **Figma**

Adept at **designing for accessibility**

Capable with **Git and Gerrit**

Knowledgeable about maintaining and improving **build systems** in Bazel and Gulp

Skilled with **project management**, including roadmapping, bug tracking, conducting meetings and postmortems, and giving presentations

Trained in **collaboration and management**, both remotely and in person

Proficient at authoring and reviewing **design docs**