

Michael Xu

 San Francisco, Bay Area

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Skills

Languages: Java, Typescript/JavaScript, Python, Go, C/C++

Web Technologies: ReactJS, NodeJS, Angular, GraphQL/HTTP/RPC, Web Sockets, HTML/CSS

Data/Cloud: NoSQL (MongoDB), SQL (MySQL, PostgreSQL, GoogleSQL), Google Cloud, AWS, Docker

Other: Git, Unix/Linux, RPA tools

Experience

Software Engineer / Google / Mountain View, California

Mar 2020 – Present

Geo Tooling Infrastructure

- Technical lead on an internal Java geospatial platform, supporting over 7,000+ operators worldwide and powering over 10M weekly edits within Google Maps
- Oversee all technical aspects of the project for a team of 4 engineers; met with key stakeholders to gather requirements, designed scalable and maintainable solutions, provided coaching and mentorship to team members, reviewed all submitted code, provided on-call support, and established a proven track record of delivering on critical projects
- Established connections with cross-functional leads and regularly meet with the senior leadership team to define future roadmaps and develop strategic goals

Cloud Apps Core

- Led the development for an internal testing framework, supporting several internal tools within Apps Core including Gmail, Docs, Drive, and Chat.
- Worked cross functionally to support PMs, TEs, and other SWEs to design and deliver tools for the full automation testing infrastructure for all of Apps Core

Software Developer / DRW / Montreal, Quebec

Nov 2018 – Mar 2020

- Led the front-end development for critical web-based trading tools using a variety of technologies and languages including Typescript, NodeJS, ReactJS, Go, and C++
- Improved the workflow and tooling of high-performance trading systems while supporting researchers, traders, and other developers throughout the organization

Software Developer / RoadLaunch / Toronto, Ontario

May 2018 – Nov 2018

- Developed a decentralized logistics platform on the Hyperledger blockchain network, which serves as the core logical component for various backend systems

Application Developer / RBC Bank / Toronto, Ontario

Nov 2017 – May 2018

- Developed automated workflows and created a shared component library used across all development teams

Automation Developer / TD Bank / Toronto, Ontario

May 2017 – Nov 2017

Education

Master of Science / McMaster University / Hamilton, Ontario

Sept 2015 – June 2017

Computational Science and Engineering

Thesis: The Vehicle Routing Problem with Multi-Period Disruptions

Bachelor of Mathematics / University of Waterloo / Waterloo, Ontario

Sept 2011 – June 2015

Mathematical Optimization - Operations Research