Sam Ling

Senior Software Engineer | Snap, Inc.

Seattle, Washington

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Highlights

- Experienced with HTML, JavaScript/Node.js, React, Angular, TypeScript, CSS
- Proficient with Java, Kotlin, SQL/NoSQL, Bash; knowledge of C/C++
- Passionate about delivering positive impact through great user experiences

Work Experience

Senior Software Engineer | Snap, Inc.

Seattle, WA, USA | May 2022 - Present

- Tech lead on the Law Enforcement Operations engineering team
- Design and lead full-stack projects for managing legal process lifecycles, law enforcement data requests, and preservation and delivery of sensitive data packages
- Participate in annual plannings and advocate for initiatives to improve front-end infrastructures

Software Engineer | Google

Seattle, WA, USA | Jul 2020 - May 2022

- Lead engineer on the UI for BigQuery Migration with contributions on the user experience and server-side data processing middleware
- Launched high-profile products including batch translation and interactive translation
- Cross functional partnership with UX designs and back-end teams to assist in their change requests
- Worked with customer representatives to provide support for large GCP customers

Software Engineer | Airbnb

Seattle, WA, USA | Apr 2019 - Jul 2020

- Designed, implemented, and maintained translation flow for localizing article contents
- Contributed to redesign of the frontend system of Help Center
- Contributed to urgent projects in response to COVID-19 such as search optimization and cancellable trip highlights
- Pioneered and led operational initiatives such as documentation improvement and TypeScript migration

Software Development Engineer | Amazon.com

Seattle, WA, USA | Feb 2016 - Mar 2019

- Organizational impact working on UX library used by 97% of Amazon's e-Commerce teams
- Designed and implemented the team's unique release process
- Contributed to the team's own build and deploy infrastructure
- Designed and implemented company-internal tools framework
- Designed and implemented UX A/B testing experiment with low latency impact, leading to an estimated annualised win of USD $440 million worldwide

PROJECTS

Sharist
Aug 2020 - Present

- Lead front-end engineer for a map-based React application
- Incorporated Google Maps API and designed and implemented a wrapper class for drawing on a singleton map instance
- Designed and implemented a small-scale design system, creating consistent rules such as colour, shading, and sizing steps

MentorInTech
Apr 2018 - May 2019 | https://mentorintech.com

- Led the front-end team in developing large-scale React web application
- Designed and implemented complex and reusable components
- Assisted back-end team in infrastructure and database systems designs

User Input Genuity Experiment
Nov 2015 - Dec 2015 | http://bit.ly/2DSmkIL

- Designed and implemented the back-end system using Node.js and MongoDB
- Designed and implemented the front-end user experience, including user tracking (http://bit.ly/2nwwinY)

Applyte
Jun 2015 - Jun 2016

- Designed and implemented the back-end system using Node.js and RethinkDB
- Designed and implemented security flow for an API-centric web application
- Contributed to front-end designs and prototypes
- Coordinated developers to assist in development

EDUCATIONS

Master of Science in Computer Science | Purdue University
West Lafayette, IN, USA | Jan 2014 - Dec 2015

Bachelor of Honours Computer Science Co-op | University of Waterloo
Waterloo, ON, Canada | Sep 2008 - Jun 2013

ACTIVITIES AND INTERESTS

- Develop small programs that make life easier
- Experiment different kinds of design styles on software and web pages
- Improvise and compose piano pieces
- Travel around the world and admire the architectures
- Stock market speculation (extremely amateur)