

Sam Ling

Engineering Manager | Snap, Inc.

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HIGHLIGHTS

- Manager of frontend and backend teams supporting multiple product domains in Safety Engineering
- Proficient in React, TypeScript, Java, Golang, SQL; experienced in designing large-scale systems used by millions of users
- Passionate about delivering positive impact through great user experiences

WORK EXPERIENCE

Engineering Manager, Platform Integrity Engineering

Snap | Seattle, WA | May 2022 - Present

- Support and grow high-performing frontend and backend engineering teams
- Create technical roadmaps and long-term strategies serving cross-functional stakeholders
- Pilot LLM-based agentic tooling for ops teams, automating complex workflows while saving USD ~\$1M in vendor contracts annually
- Build petabyte-scale distributed systems for processing user data and internal data
- Lead organizational efforts on efficiency and quality initiatives

Software Engineer, BigQuery UI

Google | Seattle, WA | Jul 2020 - May 2022

- Tech lead on BigQuery Migration leading engineers on customer-facing systems and server-side data processing middleware
- Launch 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
- Work with customer representatives to provide support for large GCP customers

Software Engineer, Support Products

Airbnb | Seattle, WA | Apr 2019 - Jul 2020

- Design, implement, and maintain translation flow for localizing article contents
- Contribute to redesign of the frontend system of Help Center
- Contribute to urgent projects in response to COVID-19 such as search optimization and cancellable trip highlights
- Pioneer and lead operational initiatives such as documentation improvement and TypeScript migration

Software Development Engineer, Amazon UI

Amazon | Seattle, WA | Feb 2016 - Mar 2019

- Work on design system used by Amazon's e-commerce organization
- Design a unique release process for UI asset version control
- Contributed to the team's backend build and deploy infrastructure for asset delivery
- Design and implement UX A/B testing experiment with low latency impact, leading to an estimated annualized win of USD \$440M worldwide

PROJECTS

Sharist

Aug 2020 - May 2021

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

MentorInTech

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

- Lead the front-end team in developing large-scale React web application
- Design and implement complex and reusable components
- Assist back-end team in infrastructure and database systems designs

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