

# Sam Ling

Engineering Manager | Snap, Inc.

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## HIGHLIGHTS

- Manager of a full-stack team supporting three product domains
  - Proficient in React, Angular, TypeScript, Java, Golang, SQL; experiences in designing large-scale systems used by millions of users
  - Passionate about delivering positive impact through great user experiences
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## WORK EXPERIENCE

### Engineering Manager, Platform Integrity Engineering

Snap | Seattle, WA | May 2022 - Present

- Support and mentor 9 high-performing full-stack and backend engineers across three domains
- Devise long-term strategies and preemptively resolve risks of multimillion-dollar penalties
- Enhance quality and user experience through cross-organizational initiatives
- Increased legal compliance coverage by ~20% through reliability and observability investments
- Launched complex toolings from 0-1 to support efficient investigation and escalations

### Software Engineer, BigQuery UI

Google | Seattle, WA | Jul 2020 - May 2022

- Lead engineer on the UI for [BigQuery Migration](#) with contributions on the user experience 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 \$440 million 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
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## 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

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## 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