

TECHNICAL SKILLS

Full Stack | JavaScript, React, HTML5, CSS, Redux, Node.js, Express, PostgreSQL, MongoDB, MySQL, REST Api

Developer Tools | Vim, Git, npm, Webpack, Babel, TDD

Analytics | Fivetran, Looker, LookML, Tableau, ETL Management, Snowflake, RedShift

Agile / Deployment | Confluence, Postman, Notion, Jira, Asana, Trello, LucidChart, Miro, Docker, AWS: EC2 / RDS / S3

SOFTWARE ENGINEERING APPLICATIONS

Full Stack Engineer | [SoundTok](#) | [ReadMe](#)

Music streaming app where customers can upload and remix their songs

March 2022

- Designed and implemented API routes and queries for the entire backend using **Node**, **Express**, and **Postgres**
- Programmed the front-end global component using **UseContext** to efficiently share data across components
- Deployed the API using **Heroku** and created public documentation using **Postman** for developers to test routes

Backend Engineer | Questions & Answers API | [ReadMe](#)

Microservice API for an e-commerce store scaled to handle 1,000 RPS

January 2022

- Implemented and optimized the microservice 7x by deploying **3 AWS EC2 Instances** and scaling with **Redis** caching and an **NGINX** load balancer
- Stress tested the microservice using **K6** and **Loader.io** to track and diagnose the outcome of each optimization
- Designed an efficient relational schema using **MySQL** to improve backend performance by separating out relevant data into decentralized tables to avoid the need for **JavaScript** manipulation

Software Engineer | Atelier | [ReadMe](#)

React web application e-commerce store

December 2021

- Built a pop-up customer review modal with scroll bars, review stars, and sliders using **CSS** that allows users to submit product-specific ratings, photos and feedback.
- Improved Google Lighthouse metrics from 22 to 95 by implementing **React** lazy-loading and **Node** compression

PROFESSIONAL EXPERIENCE

Fraud Policy Lead & Senior Program Manager | Block | New York, NY

August 2020 - Present

- Lead the daily workflow and standups of 5 Fraud Policy Analysts and Program Managers to ensure project deliverables under tight deadlines using **Agile** methods
- Automated Square's Risk Ops QA program from scratch and created visual performance metrics dashboards using **Fivetran** and **Looker** to track the work quality of over 100 Operations professionals
- Implemented a merchant reactivation program by working cross-functionally with Customer Success and Risk Product, resulting in an additional \$30 million in processing volume
- Supported professional development by facilitating internal software engineering **JavaScript** classes for 60 high performing employees from non-engineering departments

Payment Ops Manager | Eco | San Francisco, CA

February 2020 - August 2020

- Fully scoped the Business Requirement Document of an interest feature to inform design and engineering implementation planning
- Created and managed the MVP product's backend reconciliation flow which supported approximately 200 early users' regular payroll deposits

Payments Solution Manager & Risk Analyst | Stripe | San Francisco, CA

January 2018 - February 2020

- Documented procedures and trained over 12 employees in external card partner and banking inquiries as the company's subject matter expert
- Optimized enterprise merchants' authorization, decline and checkout flows by extracting payments insights using custom **Sql** queries resulting in more than 100 million dollars saved for various merchants

EDUCATION

Hack Reactor - Advanced Software Engineering Immersive Program

2022

University of San Francisco - MA, Asia Studies

2015

University of California, Santa Cruz - BA, Politics | Advanced Mandarin

2012