

TECHNICAL SKILLS

Front End | JavaScript (ES5 and ES6), React, HTML5, CSS, Redux

Back End | Node.js, Express, PostgreSQL, MongoDB, MySQL, RESTful API Development

Developer Tools | Vim, Git, npm, Webpack, Babel, Agile Methodology, Scrum, TDD

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

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

SOFTWARE ENGINEERING APPLICATIONS

Full Stack Engineer |

Music streaming application where customers can upload and remix their songs

- Designed schema, API routes, queries and documentation for the App's entire backend using **Node**, **Express**, and **PostgreSQL**
- Utilized **React Hooks** and **UseContext** to scalably share data from the database on the front-end

Backend Engineer |

Microservice API for an e-commerce store able to handle 5,000 RPS with a 30% error rate

- Increased RPS by 90% by horizontally scaling microservice to 5 **AWS** instances and using **NGINX** Load Balancer
- Improved latency in production by 99% using **Redis** cache and **MySQL** indexing
- Designed efficient relational schema to improve backend performance by separating out relevant data into decentralized tables to avoid the need for **JavaScript** manipulation

Software Engineer |

React web application e-commerce store

- Designed a **React** app of a customer reviews' section with a pop-up modal and photo posting capabilities
- Implemented attractive scroll bars, inputs, sliders and dynamic error messages within the customer form
- Utilized **Cloudinary** to store and upload customer photos

PROFESSIONAL EXPERIENCE

Square | Fraud Policy Lead & Senior Program Manager | Remote / NY, NY

Aug '20 - Present

- Responsible for the daily workflow and standups of 5 Fraud Policy Analysts and Program Managers
- Automated Square's Risk Ops QA program and performance metrics from scratch utilizing **LookML**; scaled the program internationally
- Created **SQL**, **FiveTran** and **Looker** learning tutorials for the Risk Policy and Ops org
- Facilitated internal software engineering **JavaScript** classes for employees seeking to learn programming skills

Eco | Payment Ops Manager | SF, CA

Feb '20 - Aug '20

- Worked closely with engineering and design to create product BRDs and mocks for a cryptocurrency mobile app

Stripe | Payments Solution Manager & Risk Analyst | SF, CA

Jan '18 - Feb '20

- Trained teams and scaled knowledge on various payments topics and card network rules
- Created custom **SQL** queries to conduct payments optimization analysis for priority merchants' online checkout
- Utilized **Front App** and **Confluence** to handle risk-related external financial partner questions; became company SME and scaled process to global Stripe risk teams

Glass, Lewis, & Co. | Analyst | SF, CA

Aug '15 - Jan '18

- Provided corporate governance analysis to institutional investors in public companies throughout Asia

EDUCATION

Hack Reactor - Advanced Software Engineering Immersive Program

2022

University of San Francisco - MA, Asia Studies | 3.97 GPA | Program Mentor & Professors' Assistant

University of California, Santa Cruz - BA, Politics | Scholarship Recipient | Adv. Mandarin