

Isaac Lee

Full-Stack Software Engineer

📍 Los Angeles, CA

🔗 isaacylee.github.io

🌐 isaacylee

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SKILLS

Languages

JavaScript (ES6+), TypeScript, Ruby, Go, SQL, HTML/CSS

Frameworks

Express, React, Handlebars, jQuery, Sinatra

Tools

PostgreSQL, MongoDB, Docker, Git, HTTP, REST APIs, Bash, Nginx, Postman

Cloud

Heroku, DigitalOcean (Droplets)

EDUCATION

Launch School, Software Development & Full-Stack Web Development

2020 - 2023

Multi-year mastery-based software engineering curriculum.

Learn more at

<https://launchschool.com/employers>

University of California, San Diego, B.S. in General Biology; Minor in International Studies

2010 - 2014

PROFILE

I am a software engineer based in Los Angeles, CA with multiple years of experience in JavaScript, Ruby, Go, as well as a variety of backend and frontend frameworks.

TECHNICAL EXPERIENCE

Co-Creator, Software Engineer, SmoothSail

Oct 2023 - present

SmoothSail is a self-hosted, open-source feature flag tool designed for rapid feature development with minimized risks.

- Architected a full-stack application for the management of feature flags using a React frontend, Node.js with Express backend, and PostgreSQL database.
- Led the prototyping and implementation of the NATS Jetstream message broker server to provide reliable, asynchronous pub-sub messaging across components ensuring real-time updates.
- Orchestrated the integration of the authentication process for SmoothSail's software development kits (SDKs) by leveraging the crypto npm package for encryption to enhance application security.
- Designed unit tests for SmoothSail's SDK Service using the Jest testing library.
- Collaborated remotely with a team of four engineers utilizing Agile workflow practices such as daily stand-ups and pair programming.
- Authored a comprehensive case study on engineering decisions and challenges. Read more at <https://smooth-sail.github.io/#/case-study>

Software Engineer, Self-Employed

2020 - 2023

Developed numerous open-source applications including:

- **ShoppR**: E-commerce platform featuring a shopping cart. *Built using React, Express, Node.js, MongoDB.*
- **RequestCrate**: A RequestBin clone for capturing and inspecting webhooks. *Built using Node.js, Express, React, MongoDB, PostgreSQL, DO Droplet, Nginx.*
- **Gregslist**: A web application that facilitates local transactions, services and discussions. *Built using Ruby, Sinatra, PostgreSQL, ERB.*

PROFESSIONAL EXPERIENCE

illumina, Clinical Laboratory Technician III

Dec 2016 - Jul 2021 | San Diego, CA

- Conducted DNA extraction and genotyping using liquid-handling robots and array scanners while ensuring compliance with CAP/CLIA and HIPAA regulations.
- Served on the 'Data Quality Review and Investigations' team by reviewing lab health by inspecting diverse data points from multiple laboratories using Tableau dashboards and examining the causes of faulty lab results.