

# 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](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:

- **Shopprr**: 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.