Isaac Lee *Full-Stack Software Engineer*

🔗 isaacylee.github.io   ⚙ isaacylee   in /in/isaac-lee1   ✉ lee.isaacy@gmail.com   📍 Los Angeles, CA

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

TECHNICAL EXPERIENCE

Open Source Contributor   2024 – present
Mozilla Firefox
Contributed to open source codebase, submitting patches for long standing bugs, ensuring that patches follow standardized conventions and pass all current tests:
- Optimized CSS by implementing space tokens, improving design consistency and scalability across components while enhancing maintainability and reducing technical debt.
- Resolved a bug in the Storybook tool, ensuring accurate component rendering and reliable visual testing for Firefox developers.
- Improved code clarity and maintainability by renaming ambiguous variables across multiple files

Co-Creator, Software Engineer   2023 – 2024
SmoothSail
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   2020 – 2023
Self-Employed
Developed numerous open-source applications including:
- 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

Clinical Laboratory Technician III   2016 – 2021 | San Diego, CA
Illumina
- Conducted DNA extraction and genotyping using liquid-handling robots and array scanners while ensuring compliance with CAP/CLIA and HIPAA regulations.
- As a member of the *Data Quality Review and Investigations* team, reviewed lab health by inspecting diverse data points from multiple laboratories using Tableau dashboards and examined the causes of faulty lab results.

EDUCATION

Launch School   2020 – 2023
Software Development & Full-Stack Web Development
- Multi-year mastery-based software engineering curriculum.
- Learn more at https://launchschool.com/employers 🔗

University of California,   San Diego   2010 – 2014
B.S. in General Biology; Minor in International Studies

SKILLS

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

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

Frameworks
Express, React, Handlebars, jQuery, Sinatra, Jest

Cloud
Heroku, DigitalOcean (Droplets)