Ivan Lee

✉ swe.ivanlee@gmail.com   📍 Bay Area San Francisco, California

🖋 https://ivanlee.dev   ⌗ ivanfslee

in linkedin.com/in/ivan-lee-7918a02a4/

PROFILE

I'm a full-stack software engineer with multiple years of experience in the JavaScript ecosystem. Over the past 2.5 years, I've built a solid foundation in web engineering fundamentals. Most recently I co-created Embrasure, an open-source secrets manager using Node.js, AWS, and PostgreSQL.

SKILLS

Back-End
Node.js, Express, Golang, SQL (PostgreSQL), MongoDB, REST APIs

Front-End
JavaScript (ES6+), React, jQuery, Pug, Handlebars, HTML/CSS

Cloud
DigitalOcean, AWS (RDS, API Gateway, IAM, Lambda, CloudWatch)

Other
Git, GitHub, HTTP, Jest, OOP, Nginx, Postman

PROFESSIONAL EXPERIENCE

Co-Creator & Software Engineer   2023 – present
Embrasure - https://embrasure-secrets.github.io/ ⧉

Embrasure is an open-source, self-hosted secrets manager for small teams that securely stores and injects secrets for Node.js applications.

- Prototyped and built Embrasure using Node.js and Amazon Web Services (RDS for PostgreSQL, API Gateway, Lambda, IAM)
- Used AWS RDS, Lamdas, and the serverless framework to implement encryption-at-rest and encryption-in-transit for secure secret storage and secret injection.
- Implemented PostgreSQL database authentication using dynamically generated AWS IAM auth tokens, AWS IAM policies, and database-level permissions.
- Configured a CLI to communicate with a RESTful API server with commands to manage secrets and users.
- Engineered middleware to process requests, verify authenticity and authorization through AWS IAM, create audit logs of all requests, and connect to a secure PostgreSQL database.
- Collaborated daily with a remote team of engineers using an agile workflow.
- Authored an in-depth technical case study ⧉ that outlined the process, research, architecture, and tradeoffs of Embrasure. **https://embrasure-secrets.github.io/** ⧉

Software Engineer   2021 – 2023
Self-Employed

Developed various personal and open-source web applications.

- RequestBin Ultra: A tool for inspecting webhooks and HTTP requests. (Nginx, Node.js, Express, MongoDB, PostgreSQL, DigitalOcean Droplet)
- Pioneers of Computer Science: CRUD app for viewing and storing notable computer scientists of history (Node.js, Express, PostgreSQL, Pug)
- Crypto News Aggregator: Web app that scraped various news sites, Twitter, and YouTube, and aggregated and displayed the top news stories. (React, Cheerio, Node.js, Express, MongoDB)

EDUCATION

Launch School

Multi-year, mastery-based software engineering curriculum. Read more at launchschool.com/employers ⧉

Bachelor of Science, Biological Sciences
University of California, Davis

Master of Fine Arts, Industrial Design
Academy of Art University