Eric Vu

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Experience

Co-Creator, Software Engineer, *Signet (signet-framework.dev)* ↗   2023 – present

Signet is a contract testing framework for microservices.

- Created a CLI (Go) to streamline contract management tasks, including publishing, generating, and testing contracts.
- Implemented a contract broker (Node.js) that stores and manages contracts.
- Built a user-friendly interface (React) to visualize contracts and test results.
- Architected the contract testing workflow to be compatible with any CI/CD platform.
- Developed a webhook feature enabling event-driven CI/CD integration.
- Implemented a proxy-based contract generation approach that leverages existing service tests.
- Collaborated with a remote team of 4 engineers across 3 timezones using an agile workflow.
- Authored a comprehensive case study that analyzed the technical decisions and tradeoffs made in relation to the problem space and use case.

Full-Stack Web Developer, *open source*   2021 – 2023

Developed open source applications. Selected projects and technologies:

- **Request Binder** - real-time service for consuming and inspecting webhooks (TypeScript, Express, React, MongoDB, Server-Sent Events, Nginx)
- **Bluff Chess** - chess variant involving bluffing (Javascript, Express, React, Socket.io)
- **Word Mafia** - multiplayer deception word game as a discord bot (Python)

Education

Software Engineering Capstone, *Launch School*   2021 – 2023

B.S., Mathematics, *University of California, Santa Cruz*   2018 – 2021

Skills

Backend
Go, Ruby, Python, TypeScript & JavaScript, Node.js, Express, PostgreSQL, MongoDB, Nginx

Frontend
React, JavaScript, DOM & Browser APIs, HTML, CSS, jQuery

Cloud
AWS (EC2, ECS Fargate, CloudFormation, IAM), Digital Ocean Droplets, Heroku, Fly.io.

Tooling
Linux, Git/GitHub, Docker