

Leejay Hsu
San Francisco Bay Area

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github.com/leejayhsu

TECHNICAL SKILLS

Languages: Python, TypeScript, PHP
Frameworks: Django, Flask, FastAPI, NestJS, Laravel, React
Infra: AWS, PostgreSQL, Terraform

PROFESSIONAL EXPERIENCE

09/2023 - Current

Founding Engineer, Tensec

- Architected and built Tensec's backend platform and cloud infrastructure on AWS for scalable deployment of containerized applications.
- Designed and implemented a double-entry ledger system supporting millions of dollars in daily payment volume.
- Championed adoption of AI-powered developer tooling, improving engineering productivity through CLI agents, automated code review workflows, and AI-assisted development practices.
- Developing agentic AI solutions to automate compliance review workflows and reduce manual transaction risk assessment effort.

02/2023 – 09/2023

Senior Software Engineer, Cushion.ai

- Delivered full-stack software development for a consumer fintech platform, with primary focus on backend systems and payments infrastructure.
- Implemented 3D Secure authentication within the onboarding flow, strengthening fraud prevention and risk controls.
- Built payment method management capabilities, enabling customers to securely manage multiple payment methods.

08/2022 – 01/2023

Senior Software Engineer, Carta

- Developed features for Carta's fund administration platform, supporting venture capital fund accounting and operations.
- Built workflow automation systems that reduced manual accounting processes traditionally managed through email.
- Delivered end-to-end product features across backend services, APIs, and frontend applications.

02/2020 – 08/2022

Senior Software Engineer, Bond Financial Tech

- Designed and built microservices supporting identity verification, ACH payment processing, and card issuance.
- Implemented observability, monitoring, and operational dashboards to improve service reliability, resiliency, and incident response.
- Contributed to Bond's direct ACH integration, including NACHA file processing and transmission workflows.

EDUCATION

2012 MS in Mechanical Engineering, Santa Clara University, CA
2009 BS in Mechanical Engineering, University of California at Davis, CA