Anthony R. Li

anthonyrli1994@gmail.com | (408) 425-6382 | San Jose, CA | linkedin.com/in/anthony-li-cs/ | github.com/AnthonyRLi

Software Engineer with 2+ years specializing in distributed systems and containerized applications. Led development of scalable solutions using React, TypeScript, and Golang, achieving 10x performance improvements.

WORK EXPERIENCE

Full Stack Developer — **Santa Cruz, CA**
Santa Cruz Metro Transit District — February 2024 - Current

- Architected and implemented a distributed document processing system achieving 10x improvement in PDF generation throughput with RabbitMQ and containerized workers for fault-tolerant horizontal scaling.
- Redesigned database architecture with optimized indexing and Golang calculations, resulting in 48-hour reduction in reporting cycles and 100% improvement in query response times for Crystal Reports.
- Designed and implemented an in-house service alerts platform serving 3.6M riders and 360K website visitors per year, enhancing real-time communication and eliminating an outdated system and $34K yearly expense.
- Co-developed a Golang service to migrate from legacy CRM to Workday, re-architecting critical third-party vendor integrations to automate and ensure seamless data transfers for 500+ daily employee transactions.
- Set up API integration layer with vendor systems, aligning with GTFS protocols that reduced sync errors by 85%.

Full Stack Software Engineer – Amortize.ai Team — **San Jose, CA**
Amortize Me LLC — October 2022 - February 2024

- Developed interactive Tutorial UI with dynamic image interactions and admin content management, resulting in 85% reduction in per-user support tickets during beta testing, prior to confirmed onboarding of 700+ new users.
- Implemented user authentication and authorization using Firebase, creating foundation for future user growth.
- Led investigation and resolution of integration test suite failures, setting test standards and CI/CD best practices.
- Built up Jest framework, implementing 15+ unit/integration tests that found 3 critical edge cases pre-production.
- Developed Tiptap-based email signature tool and image management system, enhancing user customization.
- Designed webhook forwarding system enabling seamless third-party application integrations.

SKILLS

Languages: Golang, TypeScript, JavaScript, MySQL, PostgreSQL, Python, MongoDB

Technology/Frameworks: React.js (ReactJS), REST APIs, Node.js (NodeJS), Docker, RabbitMQ, Google Cloud Platform (GCP), Jest, Redux, GraphQL, Firebase, Express.js (ExpressJS), Next.js (NextJS), HTML, Workday, Linux, Git

EDUCATION

University of California, Berkeley, Extension — **Berkeley, CA**
Berkeley Coding Boot Camp – Full Stack Developer, Computer Engineering — March 2023

Northeastern University — **Boston, MA**
B.S. – Computer Science Minor, Finance & Accounting Major — December 2016

ACCOMPLISHMENTS

MIT Grand Hack 2023 – 1st Place, Pharmacy Price Transparency Platform | **Wellington Hackathon 2020** – 2nd Place

Bootstrap – Computer Science Volunteer Teacher – CS opportunities for girls & underrepresented populations