Anthony R. Li

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https://github.com/AnthonyRLi | https://www.linkedin.com/in/anthony-li-cs/ | https://anthony-r-li-portfolio.vercel.app/

Results-driven Full Stack Developer with 2 years of professional experience and 4+ years of practical coding expertise, specializing in distributed systems and scalable web applications. Track record of leading development projects and complex data integrations, combining technical expertise with analytical background from a top 10 asset management firm.

WORK EXPERIENCE

Full Stack Developer <div align="right">**Santa Cruz, CA**</div>

Santa Cruz Metro Transit District <div align="right">February 2024 - Current</div>

- Architected and implemented a distributed document processing system with RabbitMQ and containerized workers for fault-tolerant horizontal scaling, achieving 10x improvement in PDF generation throughput.
- 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serving 3.6M annual riders and 360K annual website visitors, enhancing real-time communication while replacing an outdated system and eliminating a $34K annual expense.
- Co-developed a Golang service to migrate from legacy CRM to Workday, re-architecting critical third-party vendor integrations to automate data transfers and ensure seamless data synchronization for 500+ daily employee transactions.
- Set up API integration layer with vendor systems, aligning with GTFS protocols that reduced data sync errors by 85%.

Full Stack Software Engineer – Amortize.ai Team <div align="right">**San Jose, CA**</div>

Amortize Me LLC (Startup - Evening/Weekend Development) <div align="right">October 2022 - Current</div>

- Engineered an intuitive Tutorial UI featuring dynamic image zoom-on-hover functionality, coupled with a flexible backend system that streamlines tutorial creation for administrators, enhancing user onboarding and platform scalability.
- Implemented user authentication and authorization using Google Firebase, establishing the foundation for future user growth.
- Led investigation and resolution of integration test suite failures, setting test coverage standards and CI/CD best practices.
- Built up Jest testing framework, implementing 15+ unit and integration tests that caught 3 critical edge cases pre-production.
- Developed Tiptap-based email signature tool and custom image management system, enhancing user customization.
- Designed webhook forwarding system enabling seamless third-party application integrations.

Sr. Portfolio Accounting Analyst - Assistant Vice President <div align="right">**Boston, MA**</div>

Wellington Management Company <div align="right">December 2017 - January 2024</div>

- Developed and led implementation of Python-based enterprise system that automated core business processes, eliminating $30K annual vendor costs and user-limit restrictions, as well as improving processing speed by up to 10x.
- Successively mentored 3 interns and 2 analysts in developing and expanding a VBA-based enterprise automation tool, establishing coding standards and documentation that drove adoption across 50+ team members.

SKILLS

Languages: TypeScript, JavaScript, Golang, Python, Java

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

EDUCATION

University of California, Berkeley, Extension <div align="right">**Berkeley, CA**</div>
Berkeley Coding Boot Camp – Full Stack Developer, Computer Engineering <div align="right">March 2023</div>

Northeastern University – Bachelor of Science, Computer Science Minor <div align="right">**Boston, MA**</div>
D'Amore-McKim School of Business, Business Administration - Finance & Accounting

Relevant Coursework: Algorithms & Data, Computer Systems, Logic & Computation, Fundamentals of CS, Discrete Structures

ACCOMPLISHMENTS

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

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