

NATHAN TANG

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TECHNICAL SKILLS

Programming Languages: Python, JavaScript, Java, Golang, TypeScript, PHP, SQL, HTML/CSS

Frameworks/Libraries: React.js, Next.js, React Native, Node.js, Laravel, Tailwind CSS

Databases: MongoDB, MySQL, PostgreSQL, SQLite, Firebase

Cloud/DevOps: AWS Lambda, AWS Services, Heroku, Vercel, CI/CD Pipelines

Tools/Technologies: Git, Selenium, QR Code Integration, Data Visualization

EXPERIENCE

Software Development Engineer II

Apr 2025 – Present

Amazon Web Services (AWS) - AWS Lambda

Seattle, WA

- Lead advanced development initiatives for AWS Lambda, driving technical strategy for core services
- Created complete redesign with separation of staging load balancer infrastructure as COE action item, coordinating with 3 service teams for deployments
- Mentor junior engineers and drive technical decision-making for critical features and security and performance optimizations

Software Development Engineer

Aug 2022 – Mar 2025

Amazon Web Services (AWS) - AWS Lambda

Seattle, WA

- Designed and implemented server-side proxying for internal feature, routing 1.25M+ customer requests daily
- Owned automated load testing framework with 33+ reliability improvements, eliminating crashes and conducting 8MM TPS headroom tests ensuring 99.9% service availability for AWS Lambda
- Led multi-region deployments across 32 regions for Layer 4 load balancer traffic migration
- Selected as intern mentor for summer 2024, providing technical guidance, design and code review feedback to intern who received a return offer
- Participated in on-call rotations and incident response, ensuring rapid resolution of critical production issues

Full Stack Engineer

Feb 2020 – Jun 2022

UC Irvine

Irvine, CA

- Led end-to-end development of single-page web applications serving 10,000+ students, volunteers, and staff
- Reduced registration and customer support time by 80% through new admin control views with QR-code scanning check-ins and data visualization via VueJS.
- Scaled PHP/Laravel backend using test-driven development and RESTful API controllers.

Software Engineer Intern

May 2021 – Sep 2021

Flyerstack

Berkeley, CA

- Developed cross-platform mobile applications using React Native and Google Firebase, coordinating with 4-person development team
- Built and deployed internal Python Selenium web-scrappers for data collection and business intelligence
- Collaborated with product, business, and UI teams to implement user-centered design and functionality

LEADERSHIP EXPERIENCE

Director of Technology

Feb 2021 – Mar 2022

Hack at UCI

Irvine, CA

- Managed a team of 6 developers using React.js, MongoDB, Node.js, and Heroku tech stack
- Coordinated development of hackuci.com, zothacks.com, and hack.ics.uci.edu with CI/CD pipelines
- Organized large-scale online hackathon with 330+ participants and 89 submitted projects

EDUCATION

Bachelor of Science in Computer Science

University of California, Irvine

Jun 2022

Irvine, CA