

David Wu

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SUMMARY

Senior Full-Stack Software Engineer with 7+ years of experience designing and delivering scalable web applications using React, TypeScript, and Node.js. Expertise in architecting microservices, optimizing relational database performance, and implementing secure CI/CD pipelines in AWS environments. Proven track record of improving system throughput and collaborating with cross-functional teams to enhance user experience.

EXPERIENCE

Idelji

Jan 2019 - Present

Full-Stack Software Engineer

Los Angeles, CA

- Designed and developed scalable microservices-based web applications using React, TypeScript, and Node.js in high-traffic production environments, incorporating performance optimization practices.
- Architected distributed backend services and implemented RESTful and GraphQL API endpoints to support cross-platform integrations and secure data exchange.
- Implemented automated CI/CD pipelines with integrated security checks and dependency vulnerability scanning, aligning deployments with DevSecOps best practices.
- Deployed and managed containerized applications in AWS environments, ensuring high availability and performance reliability.
- Optimized database performance across PostgreSQL and NoSQL systems, reducing latency and improving system throughput.
- Collaborated with product managers, UX/UI designers, and cross-functional teams to deliver user-friendly web interfaces within Agile SDLC frameworks.
- Conducted code reviews and mentored engineers to strengthen code quality, security awareness, and engineering standards.

Trilogy Education

Aug 2018 - Feb 2019

Teaching Assistant

Los Angeles, CA

- Mentored 30+ students in full-stack development (React, Node.js, Express, MongoDB).
- Guided students in debugging complex distributed application issues and improving secure coding practices.
- Conducted technical workshops focused on scalable system architecture and performance optimization.

Freelance Web Development

Sep 2017 - Jun 2018

Full Stack Developer

Los Angeles, CA

- Delivered custom web applications from architecture design to production deployment.
- Built secure authentication systems and optimized backend services for reliability and scalability.
- Implemented cloud-based deployment workflows with monitoring and automated release processes.

Princess Cruises

Jun 2016 - Aug 2016

Software Developer Internship

Santa Clarita, CA

- Contributed to enterprise software systems supporting internal business operations.
- Developed internal automation tools to streamline reporting and improve operational efficiency.
- Participated in Agile ceremonies and collaborative code review processes.

EDUCATION

California State University

2013 - 2016

Bachelor of Science - BS, Computer Science

Northridge, CA

- **Achievements:** 2015 Oral Presentation Award, Computer Science Department

SKILLS

- **Languages:** JavaScript (Node.js), Python, TypeScript
- **Frontend:** React.js, Modern SPA Architecture, UI/UX Design
- **Backend:** RESTful APIs, Microservices, Event-Driven Architecture, GraphQL
- **Cloud & DevOps:** AWS, CI/CD, Docker, Infrastructure as Code, DevSecOps, Kubernetes
- **Databases:** MongoDB, SQL, NoSQL, PostgreSQL
- **Architecture:** Distributed Systems, Scalable System Design
- **Practices:** Agile/Scrum, Secure SDLC, Continuous Improvement, Performance Optimization, Application Security