

Khoa Le

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Summary

Senior Full Stack Engineer with 12 years of experience building scalable web products using React, Next.js, Node.js, Python, AWS, GCP, Kubernetes, and AI-assisted development workflows. I ship production software in spec-driven environments, collaborate closely with product and engineering teams, and use AI coding tools like Claude Code and Codex to increase speed and quality. Comfortable building product features, backend services, and platform improvements end to end, with a strong focus on infrastructure optimization and remote collaboration.

Skills

React, Next.js, Node.js, Python, AWS, GCP, Kubernetes, Docker, TypeScript, REST APIs, GraphQL, MongoDB, CI/CD, Git, Redis

Experience

Senior Full Stack Engineer | 10/2019 - Present | Pencil AI | Remote (Vietnam + UK)

- Lead full-stack development of AI-powered content creation platform using Remotion, Next.js, Node.js, and Python, shipping features from concept to production in a spec-driven environment.
- Refactor asset processing pipeline using Mediabunny and browser-based execution, eliminating server-side dependencies and reducing infrastructure costs while maintaining performance.
- Implement in-browser video manipulation features including clip stitching and on-the-fly thumbnail generation with Remotion, enabling real-time content editing without server round-trips.
- Apply AI coding frameworks (Claude Code, Cursor, Codex) to daily development workflows, increasing productivity and accelerating feature delivery speed.
- Join AI team to transform traditional UI components into AG-UI (Agent-Generated UI) components using CopilotKit, enabling AI-driven dynamic interface generation.

Full Stack Engineer | 08/2018 - 10/2019 | Metro Residences | Remote (Singapore)

- Developed and maintained web applications using React, Node.js, and TypeScript for real estate management platform
- Implemented RESTful APIs and database integrations using MongoDB and PostgreSQL
- Deployed and managed cloud infrastructure on AWS and GCP using Docker and Kubernetes
- Collaborated with cross-functional teams to deliver features and improve system performance

Senior Software Engineer | 01/2017 - 08/2018 | Freelancer.com | Remote (Vietnam)

- Led development of a mobile and web platform for on-demand services using React Native and Node.js
- Built RESTful APIs and integrated third-party services including payment gateways and geolocation
- Optimized application performance and database queries for high-traffic environments
- Mentored junior developers and conducted code reviews to maintain code quality

Software Engineer | 05/2013 - 12/2016 | Robert Bosch | Ho Chi Minh, Vietnam

- Developed embedded software and firmware for automotive control systems using C/C++
- Implemented IoT solutions for vehicle diagnostics and remote monitoring systems
- Designed and maintained RESTful APIs for integration between embedded systems and cloud platforms
- Collaborated with cross-functional teams on hardware-software integration and system testing
- Participated in Agile development cycles and contributed to code reviews and documentation

Software Engineering Intern | 01/2012 - 12/2012 | FPT Software | Ho Chi Minh City, Vietnam

- Supported development of web applications using JavaScript and basic frontend technologies
- Assisted in building and testing RESTful APIs for internal tools and client projects
- Gained exposure to full software development lifecycle through hands-on coding and debugging
- Learned industry-standard practices in code reviews, version control, and agile methodologies
- Collaborated with senior developers on feature implementation and bug fixes under mentorship

Education

Bachelor of Software Engineering | FPT University | 05/2013 | Ho Chi Minh City