

Jonathan Kim

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Professional Summary

Experienced Full Stack Developer with 4+ years of expertise in Python, JavaScript, and TypeScript. Proven track record in implementing scalable solutions using modern frameworks like Django, React, and Vue.js. Skilled in cloud technologies, CI/CD, and performance optimization. Collaborative team player adept at leading projects and mentoring junior developers.

Education

University Of California, Davis - Davis, CA

Bachelor of Science: Computer Science, 12/2017

Skills

Language: Python, Javascript, Typescript

Framework: Django, FastAPI, React.js, Next.js, Vue.js, Nuxt.js

Cloud & DevOps: AWS (ECS, EC2, S3), Docker, CI/CD (GitHub Actions, GitLab CI/CD)

Tools: Docker, Twilio, Figma

Work History

Senior Full Stack Developer (Freelance), 01/2023 to 07/2023

Interfit Worldwide Inc - Irvine, CA

- Modernized backend from monolithic Python/Django to API-driven Django Rest Framework, improving scalability and maintainability.
- Upgraded frontend to TypeScript/React.js/Next.js, resulting in a 30% improvement in page load times.
- Implemented microservices architecture using AWS ECS, enhancing system modularity and reducing deployment times by 40%.
- Established CI/CD pipeline with GitHub Actions, reducing deployment errors by 60%.
- Optimized Google SEO strategies, boosting daily organic traffic by 50%.
- Containerized development and production environments using Docker Compose, ensuring consistency across team members.

Frontend Developer, 05/2021 to 01/2023

BASF - San Diego, CA

- Oversaw full-cycle process, from designing layouts using Figma to building projects with Typescript/Vue.js/Nuxt.js.
- Enhanced Python/FastAPI backend and streamlined deployment using Docker and GitLab CI/CD.
- Implemented and optimized Neo4j graph database to streamline laboratory process workflows, resulting in improved data visualization and enhanced application network efficiency.
- Developed custom lab tools using Vue.js, increasing scientist productivity by an estimated 20%.
- Introduced Test-Driven Development (TDD) using Jest, improving code quality and reducing bugs in production by 30%.

Fullstack Developer, 09/2019 to 09/2021

Interfit Worldwide Inc - Irvine, CA

- Architected and developed a full-stack Python/Django web application from the ground up.
- Integrated Twilio's Video and Voice APIs to implement bi-directional conferencing, a key feature that drove 40% of user engagement.
- Designed and implemented a scalable infrastructure on AWS ECS, capable of handling 1000+ concurrent users.

- Optimized application performance by implementing caching strategies and database query optimizations, reducing average response time by 60%.
- Configured scheduled tasks using Python/Django Celery and AWS Cluster Scheduler.
- Introduced real-time chat functionality using Django Channels and Socket.io, increasing user interaction time by 25%.