

Olivia Chen

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Summary

Software Engineer with one year of experience in building and maintaining robust backend systems. Specializes in creating scalable APIs with Python and FastAPI. Well-versed in managing PostgreSQL databases, containerizing applications with Docker, and deploying on Kubernetes clusters within an AWS environment. Passionate about writing clean code and mentoring junior team members.

Professional Experience

Junior Software Engineer | Innovatech Ltd. | June 2024 - Present

- Design, develop, and maintain RESTful APIs using FastAPI to support new product features.
- Manage and optimize PostgreSQL database schemas and queries, improving query response time by 15%.
- Develop and maintain a CI/CD pipeline using Jenkins to automate testing and deployment processes.
- Containerize services using Docker and manage deployments on an AWS EKS (Kubernetes) cluster.
- Lead code reviews for new features and bug fixes to ensure adherence to team standards.
- Collaborate closely with the frontend team to ensure seamless API integration.
- Provided guidance to two interns, helping them with their initial projects and onboarding.

Education

Bachelor of Science in Software Engineering | State University | Graduated May 2024

Skills

- **Programming:** Python (Expert), SQL (Expert)
- **Backend:** FastAPI, Flask, REST APIs
- **Databases:** PostgreSQL, Redis
- **DevOps:** Docker, Kubernetes, AWS (EC2, S3, RDS, EKS), CI/CD
- **Tools:** Git, Jenkins, Postman
- **Methodologies:** Agile, Scrum, TDD