

Liam Patel

(123) 456-7890 | liam.patel@email.com | [LinkedIn](#) | [GitHub](#)

Summary

A motivated and detail-oriented recent Computer Science graduate with hands-on experience in designing, developing, and deploying scalable backend services. Proficient in Python and FastAPI, with practical knowledge of database management using PostgreSQL and application deployment on AWS with Docker and Kubernetes. Eager to contribute to a collaborative team and grow as a software engineer.

Education

Bachelor of Science in Computer Science | University of Technology | Graduated May 2025

Skills

- **Languages:** Python, SQL
- **Frameworks:** FastAPI, Pytest
- **Databases:** PostgreSQL, SQLAlchemy
- **Cloud/DevOps:** AWS (EC2, S3, RDS), Docker, Kubernetes, CI/CD (GitHub Actions)
- **Version Control:** Git, GitHub
- **Methodologies:** Agile, Scrum

Projects

Inventory Management API | *Personal Project*

- Designed and developed a RESTful API using Python and FastAPI to manage product inventory.
- Implemented data models and managed a PostgreSQL database, ensuring data integrity with SQLAlchemy.
- Containerized the application using Docker and orchestrated its deployment on a local Kubernetes (Minikube) cluster.
- Set up a CI/CD pipeline with GitHub Actions for automated testing and building of the Docker image.

Cloud-Based Photo Storage Service | *University Capstone Project*

- Collaborated in a team of four to build a web service for photo uploads and management.
- Developed backend services to handle file storage on AWS S3 and metadata in an AWS RDS (PostgreSQL) instance.
- Contributed to building a cohesive and efficient integration with the frontend team.

Experience

Backend Developer Intern | Tech Solutions Inc. | Summer 2024

- Assisted in the development of new API endpoints for an existing client application using Python.
- Participated in code reviews, providing and receiving constructive feedback to maintain code quality.
- Gained experience with Agile development practices, including daily stand-ups and sprint planning.

