Rehan Saqib

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Professional Summary

Backend and DevOps–oriented Computer Engineering undergraduate with hands-on experience in building RESTful APIs, containerizing applications using Docker Compose, and deploying cloud-based systems with automated CI/CD pipelines. Experienced in taking projects from development to production using Django, PostgreSQL, and AWS.

Education

National University of Science and Technology (NUST)   Islamabad, Pakistan
Bachelor of Engineering in Computer Engineering   *Sept. 2024 – Sept. 2028*

Projects

Synthron – AI-Powered PC Builder Platform | *Django, React, PostgreSQL, Docker*
- Developed a full-stack AI-powered platform that generates optimized PC builds based on user budgets, use cases, and regional hardware availability.
- Designed and implemented RESTful APIs using Django REST Framework with secure JWT-based authentication.
- Integrated web scraping pipelines to fetch real-time pricing and availability from multiple dealer sources.
- Containerized backend, frontend, and database services using Docker Compose to ensure consistent development and deployment environments.

Todo List Application | *Django, PostgreSQL, Docker, AWS*
- Built a backend-driven to-do list application with full CRUD functionality and modular Django architecture.
- Dockerized application and database services to ensure portability and environment consistency.
- Deployed the application on AWS EC2 using Linux-based server configuration and Docker containers.
- Implemented a complete CI/CD pipeline using AWS CodeBuild, CodeDeploy, and CodePipeline for automated builds and deployments.

Technical Skills

Languages: Python, C++, Java, SQL (PostgreSQL)
Backend: Django, Django REST Framework
DevOps & Cloud: Docker, Docker Compose, AWS EC2, ECS, CI/CD Pipelines, GitHub Actions
Systems: Linux, Bash
Version Control: Git, GitHub