

PROFILE

Developer with 10 months of experience in cloud computing, CI/CD, and API development. Skilled in Python and database optimization. Demonstrated capability to design and implement scalable solutions, improve application performance, and successfully manage projects within Agile frameworks. Dedicated to continuous learning and adapting to emerging technologies.

PROJECTS (github.com/muhammadharoon26)

- Feb 2025 - Feb 2025

Live Chat Support System

 - Engineered a real-time chat system using **Go** and **Gin Framework**, implementing **WebSocket communication** for instant messaging
 - Designed a multi-layer caching architecture using **Redis** and **SQLite**, optimizing message delivery and storage.
 - Implemented comprehensive security features including **JWT** authentication and **bcrypt** password hashing.
 - Developed a structured logging system using **Uber's Zap logger** for production-grade monitoring.
- Feb 2025 - Feb 2025

Task Manager API

 - Developed a **RESTful API** using **Node.js** and **Express**, implementing comprehensive **CRUD** operations for task management
 - Integrated **MongoDB** for data persistence and **Socket.IO** for real-time updates, ensuring seamless user experience
 - Implemented secure user authentication system using **JWT** and **bcrypt** for password hashing
 - Created extensive **test suites** for both authentication and task management functionalities
- Jan 2025 - Jan 2025

Tier3-DevOps-CICD-IAC-Project

 - Automated Testing (**pytest**)
 - CI/CD (**GitHub Actions**)
 - Containerization (**Docker**)
 - Monitoring (**Prometheus**)
 - Infrastructure as Code (**docker-compose**)

EMPLOYMENT HISTORY (linkedin.com/in/muhammadharoon26)

- Aug 2024 - Sep 2024

Python Development Intern, UCapacity

Islamabad

 - Built RESTful APIs using **Django** for seamless data integration.
 - Designed and tested advance database schemas, optimising storage and retrieval processes.
 - Implemented CI/CD pipeline using **GitHub Actions**, ensuring efficient development cycles.
- Jul 2024 - Sep 2024

Python Development Intern, Aiyin Inc

Islamabad

 - Developed APIs using **FastAPI**, improving application performance and functionality.
 - Deployed and monitored web scraping projects on **Azure** cloud services.
 - Collaborated in an **Agile** team to optimise backend services for scalability and efficiency.
- Mar 2024 - Apr 2024

Cyber Defence and Network Security Intern, ThincsCorp

Remote

 - Utilized Oracle VM and **Wazuh SIEM** to create a secure network simulation environment.
 - Documented findings and recommendations for robust cybersecurity strategies.

SKILLS	Python	NodeJS
	Django Web Framework	Data Scraping
	Microsoft Azure	React
	RESTful APIs	Kubernetes
	Prometheus	Selenium
	Grafana	Golang

EDUCATION

- Sep 2022 - Jul 2026

Bachelor's in Computer Science, NUST BL Campus

Quetta