Muhammad Atta

Junior DevOps Engineer || Software Engineer

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PROFILE

Computer Science graduate specializing in **DevOps & Cloud Engineering** with hands-on experience in **AWS, Kubernetes, Docker, Terraform, and CI/CD automation**. Proven ability to deploy **production-ready applications**, manage infrastructure as code, and build scalable, cloud-native solutions. Strong problem-solving skills and a fast learner passionate about continuous growth.

EDUCATION

University of the Punjab – BSc (Hons) Computer Science
Dec 2021 – Jul 2025

- **Relevant coursework:** Functional Programming, Data Structures and Algorithms, Information Security, Computer Networks

PROJECTS

Perfect Parking App *(Python, Django, OpenCV, REST APIs)* **| Dec 2024 – Jun 2025**

- Built a smart parking app with **real-time detection** of parking availability using computer vision.
- Developed backend with **Django REST Framework**, deployed APIs, and integrated OpenCV client for live updates.
- Designed DB schema, managed deployment, and ensured smooth API integrations.

E-commerce Microservices Deployment *(AWS, Terraform, ArgoCD)* **| May 2025**

- Deployed microservices architecture on **AWS EKS** with IaC using Terraform.
- Automated end-to-end deployments via **GitHub Actions & ArgoCD**.
- Configured **Route 53, Load Balancers, and VPC networking** for production readiness.

Fullstack Deployment: From Containers to AWS *(Docker, Terraform, ECS)* **| Jun 2025**

- Designed a **3-phase infrastructure strategy** (Startup → Growth → Scale).
- Deployed multi-stage Docker containers to **AWS App Runner & ECS**.
- Automated **CI/CD pipelines** for zero-downtime releases with GitHub Actions.

Workout Tracker API *(Go, PostgreSQL, Docker)* **| Jul 2025**

- Developed **production-ready REST API** in Go with JWT authentication & bcrypt security.
- Integrated PostgreSQL via Docker with migrations & testing.
- Applied clean architecture, middleware, and API versioning for scalability.

SKILLS

- **Programming:** Python, Go, C++, JavaScript, SQL
- **Frameworks:** Django, FastAPI, Node.js, React
- **DevOps & Cloud:** AWS, Docker, Kubernetes, Terraform, Git, GitHub Actions, Jenkins, GCP
- **Databases:** PostgreSQL, MongoDB
- **Soft Skills:** Multilingual (Urdu, English, Arabic), teamwork, public speaking

CERTIFICATIONS

- Docker, Kubernetes & AWS with GitHub Actions for DevOps - Udemy (2025)
- Ultimate DevOps and Cloud Interview Guide – Udemy (2025)
- Python Data Structures & Algorithms + LEETCODE Exercises – Udemy (2024)

INTERESTS

- Cloud Computing & DevOps
- Open Source Contribution
- System Design
- Continuous Learning
- Reading (Tech & Personal Development)
- Go Programming Language