

**Ehsan Ullah**  
*Quetta, Pakistan*  
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## **PROFESSIONAL SUMMARY**

DevOps Engineer with practical experience in AWS, Kubernetes, Docker, Terraform, and CI/CD automation. Skilled in deploying containerized microservices, building cloud-native infrastructure, and implementing GitOps workflows.

## TECHNICAL SKILLS

- **Cloud Platforms:** AWS (EC2, VPC, S3, IAM, Route 53, ALB/NLB, Auto Scaling, CloudWatch, RDS, CloudFront, SNS)
  - **Containerization & Orchestration:** Docker, Kubernetes (EKS, kubeadm)
  - **Infrastructure as Code:** Terraform
  - **CI/CD and Version Control:** GitHub Actions, Argo CD, Git, GitHub, GitLab
  - **Scripting languages:** Bash, Python
  - **Operating Systems:** Linux (Ubuntu, CentOS, RHEL, Fedora), macOS, Windows
  - **Monitoring & Logging:** AWS CloudWatch, CloudTrail, Prometheus, Grafana

#### **PROFESSIONAL EXPERIENCE**

Al Nafi Cloud – Cloud DevOps Intern >> [Internship Letter](#)

*Mar 2023 – August 2025*

- Built automated CI/CD pipelines in GitHub Actions for multi-environment deployments, reducing manual deployments by 100% and improving delivery consistency.
  - Managed Git/GitHub repositories using branching strategies and PR workflows, reducing integration issues by ~35%.
  - Designed optimized Docker images with multi-stage builds, reducing image size & build time by 30%.
  - Deployed and maintained Kubernetes clusters (EKS & kubeadm) using Deployments, Services, ConfigMaps, and Ingress for scalable microservices.
  - Implemented zero-downtime rolling updates and HPA-based autoscaling to maintain application reliability and performance.
  - Automated provisioning of AWS VPCs, EC2, S3, IAM, and EKS resources using Terraform modules.
  - Configured high-availability architectures with EC2 Auto Scaling, ALB/NLB load balancers, and Route 53 DNS routing.
  - Built CloudWatch dashboards, alarms, and CloudTrail auditing; developed DR workflow using S3 versioning & cross-region replication.
  - Wrote Bash automation scripts for backups, log management, user provisioning, and server operations.
  - Performed Linux system administration, including package management, security hardening, performance checks, and troubleshooting.

## PROJECTS

OpenTelemetry Astronomy Shop – Cloud-Native DevOps Implementation. - OnGoing

- Provisioned AWS infrastructure with Terraform (VPC, subnets, IAM, EKS, node groups), enabling fully automated and repeatable Kubernetes environments.
  - Containerized multi-service OpenTelemetry application and deployed to EKS using Kubernetes Deployments, Services, Ingress, and ConfigMaps.
  - Built CI pipelines in GitHub Actions to automate Docker builds, testing, and image publishing to container registries.
  - Implemented GitOps-based continuous delivery via Argo CD for automatic versioned deployments to Kubernetes.
  - Configured HPA, rolling updates, and health probes to ensure high availability and zero-downtime releases.
  - Integrated OpenTelemetry Collector for distributed tracing and metrics, visualized through Jaeger/Grafana for real-time observability.
  - Exposed the application securely using AWS Load Balancer Controller with Route 53 DNS for external access.

## CERTIFICATIONS

- Certified Kubernetes Administrator CKA [Cert-Link](#) March 2025
  - Certified Kubernetes Application Developer CKAD [Cert-Link](#) Feb 2025
  - Kubernetes and Cloud Native Associate KCNA [Cert-Link](#) March 2025

EDUCATION

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**Al Nafi International College**

BSc (RQF level 6) Artificial Intelligence Operations 86%

*Sept 2022 - Oct 2025*

## Tameer i Nau College, Quetta

Tanveer IT And College,  
Pre-Engineering – 85%

Aug 2018 – Aug 2020

Languages

English, Urdu, Pashto – All Fluent