

Ehsan Ullah

Quetta, Pakistan

[Mail](#) • [GitHub](#) • [LinkedIn](#) • +923138094121

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, kubernetes)
- **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

AI 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 & kubernetes) 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

AI Nafi International College *Sept 2022 - Oct 2025*

BSc (RQF level 6) Artificial Intelligence Operations 86%

Tameer i Nau College, Quetta

Pre-Engineering – 85%

Aug 2018 – Aug 2020

Languages

English, Urdu, Pashto – All Fluent