Ehsan Ullah

Lahore, Pakistan

ahsanullahkhan881@gmail.com • ahsankhan420.github.io • linkedin.com/in/ehsan-khan-devops • +92 313 8094121

PROFESSIONAL SUMMARY

Enthusiastic **DevOps Engineer** with **1+ years of hands-on experience** in automating deployments, managing cloud infrastructure, and implementing CI/CD pipelines. Skilled in **AWS**, **Docker**, **Kubernetes**, **Terraform**, and **GitHub Actions**, with a strong focus on automation, scalability, and reliability. Dedicated to learning and delivering practical cloud-native solutions aligned with organizational goals.

TECHNICAL SKILLS

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

PROFESSIONAL EXPERIENCE

Al Nafi Cloud – *Cloud DevOps Intern*   *Mar 2024 – August 2025*

- Proficiently managed repositories on **Git** and **GitHub**, implementing branching strategies, pull requests, and collaborative workflows for efficient version control.
- Developed and maintained **CI/CD pipelines** using **GitHub Actions**, automating build, test, and deployment processes across staging and production environments.
- Built and optimized **Docker images** using multi-stage builds, **reducing image size and build time by 30%** to improve deployment efficiency and security.
- Deployed and maintained **Kubernetes clusters (EKS & kubeadm)** with Deployments, Services, and Ingress for scalable apps.
- Implemented **zero-downtime rolling updates** and configured scaling policies using **Horizontal Pod Autoscaler (HPA)** to ensure high availability for mission-critical workloads.
- Automated cloud infrastructure provisioning using **Terraform** for core AWS services (VPC, EC2, S3, and IAM).
- Provisioned fault-tolerant infrastructure using **AWS EC2 Auto Scaling groups** and **Elastic Load Balancers (ALB/NLB)**; managed **Route 53** for domain routing and high availability.
- Monitored infrastructure health using **AWS CloudWatch** and **CloudTrail**; designed and automated **Disaster Recovery (DR)** strategies using **S3 versioning** and cross-region replication.
- Used **Bash scripts** to automate backup and maintenance tasks in Linux environments.
- Performed routine **Linux system administration** (Ubuntu, RHEL), including package management, **performance tuning**, security hardening, and **troubleshooting application issues** within production environments.

PROJECTS

End to end DevOps Implemenation on Open Telemetry Demo E-Commerce – working on

- Implemented DevOps practices such as containerization, Container orchestration, Infrastructure as Code and **CI/CD** for a demo E-commerce project.
- Experience implementing **DevOps** practices on multi micro service architecture applications.
- Knowledge on Infrastructure as Code using **Terraform**. Implemented an **EKS** cluster creation with in VPC using **Terraform** modules.
- Implemented CI/CD for a Python based micro service using **GitHub Actions** and **Argo CD** to achieve a single touch end to end automation.
- Good Understanding of **AWS** cloud and experience using **AWS** networking concepts like VPC and Load balancers.
- Exposing the Front end securely to the external users by mapping the **Route 53** DNS name servers with the Domain provider.

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

Al Nafi International College   *Sept 2022 - Oct 2025*

BSc (RQF level 6) Artificial Intelligence Operations 86%

Tameer i Nau College, Quetta *Aug 2018 – Aug 2020*

Pre-Engineering – 85%

Languages

English, Urdu, Pashto – All Fluent