



# EHSAN ULLAH KHAN

DEVOPS ENGINEER

## Profile

Dynamic **Cloud DevOps Engineer** with over a year of hands-on experience in optimizing and maintaining scalable infrastructure solutions. Committed to continuous improvement and delivering robust solutions that align with organizational goals.

## Certifications

Kubernetes Cloud Native Associate (KCNA) [Cert-Link](#)

Certified Kubernetes Application Developer (CKAD) [Cert-Link](#)

Certified Kubernetes Administrator (CKA) [Cert-Link](#)

## Experience

Internee Cloud DevOps Engineer, AI Nafi, Remote

MARCH 2024 – MARCH 2025

At AI Nafi internship, I helped our team prepare labs for core **AWS** services but not limited to (**EC2, S3, VPC, Lambda, CloudFormation**, and **CloudWatch**), simulating real-world cloud environments. I assisted in developing **Docker** labs to demonstrate best practices in containerization. I supported the creation of **Kubernetes** labs focused on container orchestration and scalable deployments. I contributed to setting up **Linux** labs to provide practical system administration and automation experience.

## Education

Artificial Intelligence Operations (RQF level 6), EduQual, UK

MARCH 2023 – JULY 2025

Studied through AI Nafi, Expected to complete in May 2025.

## Technical Skills

### DevOps & Automation Skills:

- Proficient in **Git**, and **GitHub**; experienced in managing repositories, branching strategies, and collaboration workflows.
- Familiar with **Bash scripting** for task automation.
- Built and optimized **Docker** images, reducing build time by **30%** using multi-stage builds for improved efficiency and security.
- Deployed and managed **Kubernetes** clusters (**kubeadm/EKS**); configured Deployments, Services, Ingress, and PersistentVolumes.
- Implemented **zero-downtime** rolling updates and scaling using HPA and readiness probes.
- Beginner-level experience with **Ansible**; familiar with playbook structure and common modules.
- Solid understanding of **GitHub Actions** for continuous integration and continuous deployment (**CI/CD**).

### Details

Lahore

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### Links

[LinkedIn](#)

[Linux Foundation Opensource](#)

[GitHub](#)

### Skills

AWS

Docker

Kubernetes

Python

Bash Scripting

Linux

Git

Terraform

Ansible

Helm

CI/CD

GitHub Actions

ArgoCD

Gitlab

Virtual Machines

### Languages

English

Urdu

Pashto

- Hands-on experience with **Linux** (Ubuntu, CentOS) for system administration, troubleshooting, and performance tuning.

### Cloud Platforms (AWS)

- Provision and manage **EC2** instances, Auto Scaling Groups, **Load Balancers**, and secure **VPC** networks with best practices for availability and scalability.
- Implement and manage **S3** storage solutions, **RDS** databases, and **DynamoDB** tables with security, backup, and optimization strategies.
- Configure **IAM** roles, policies, **MFA**, and enforce network security using Security Groups, NACLs, and encryption standards.
- Monitor cloud infrastructure health using **CloudWatch** metrics, alarms, dashboards, and **CloudTrail** for auditing and compliance.