

# SHAHZAIB AKRAM

## DevOps Engineer

+92-3057311385  
shahzaib.kp766@gmail.com  
https://www.linkedin.com/in/shahzaib-akram-ab01b827b/  
Lahore, Punjab, Pakistan



### SUMMARY

I am a detail-oriented DevOps Engineer with a strong foundation in Computer Science and hands-on experience in cloud computing, infrastructure as code with Terraform, containerization with Docker, and continuous integration/deployment CI/CD practices. I leverage various cloud technologies, including AWS Kubernetes, to optimize workflows and enhance system performance. My goal is to drive innovation and improve development lifecycles while delivering scalable solutions aligned with organizational objectives

### WORK EXPERIENCE

#### DevOps Engineer

##### NIT-SERVICES

06/2024 - 08/2024 Lahore, Punjab, Pakistan Type: Internship

Completed a DevOps Engineer internship, gaining hands-on experience with real-time projects using AWS services, Terraform for infrastructure automation, and Docker for application containerization. Configured Nginx as a reverse proxy with Let's Encrypt SSL to ensure secure deployments, and deployed scalable, highly available applications on Kubernetes. Designed, built, and maintained CI/CD pipelines using GitHub Actions to automate infrastructure provisioning and support end-to-end delivery for multiple web applications.

### EDUCATION

#### BS Computer Science

##### University of Okara

09/2022 - 06/2026 Okara, Punjab, Pakistan

#### FSC (Pre-Engineering)

##### Aspire College Deplapur

09/2020 - 06/2022 Deplapur, Punjab, Pakistan

#### Matric

##### Govt. High School Depalpur

09/2018 - 06/2020 Depalpur, Punjab, Pakistan

### CERTIFICATIONS

AWS Cloud Technical Essentials | **Coursera**  
DevOps on AWS Specialization | **Coursera**  
Kubernetes and Cloud Native Associate (KCNA) | **KodeKloud**  
Terraform Associate Certificate | **KodeKloud**  
Google Soft Skills Program | **Google**  
Certificate of Membership | **PAFLA**  
Docker Training Course | **KodeKloud**  
Helm for Beginners | **KodeKloud**

### KEY ACHIEVEMENTS

Campus Ambassador  
**Devsinc**, Lahore  
Social Media Team Lead  
**UO Media Society**, University of Okara

### SKILLS and TOOLS

IAC	Terraform	AWS	Docker
Kubernetes	EKS	CI/CD	
Nginx	Let's Encrypt	GitHub Actions	Linux
GitOps	Prometheus	Grafana	
HTML	CSS	Python	WordPress
Git	GitHub	Shell Scripting	DNS
Computer Networks	Sonar	OWASP	ArgoCD

### PROJECTS

#### FYP: AI Recruiter Voice Agent

Developed an AI Recruiter Voice Agent using React, JavaScript, and Supabase with real-time voice interactions via Vapi AI and AI-driven responses through OpenRouter, with **my primary contributions** focused on DevOps engineering automating AWS infrastructure using Terraform and deploying the application on Kubernetes (EKS) to ensure high availability, scalability, and zero-downtime performance for real-time interviewer-candidate interactions.

#### Terraform Project:

Built scalable, multi-environment (Dev, Staging, Prod) infrastructure using Terraform modules with **remote backends** and **state locking**, provisioning EC2, S3, VPCs, ALBs, and fully configured **EKS** clusters with AWS managed node groups for secure, reliable deployments

#### Docker and Kubernetes Project:

Built and deployed a complete three-tier application using Docker Compose by containerizing the frontend, backend, and database services to create a reliable and portable environment. Converted the setup to Kubernetes by writing Deployment, Service, Secret, and PVC manifest files, enabling scalable and high-availability application deployment on a Kubernetes cluster.

#### CI/CD Project:

Built end-to-end CI/CD for a full-stack app using GitHub Actions with automated code checkout, SonarQube, OWASP & Trivy scans, and Docker push to Amazon ECR. Deployed to EC2 via SSH with secure secret management.

#### Freelance Project:

Deployed NextCloud and secure Mail Server for **GR Engineering** using Docker on Contabo VPS providing private file sharing, team collaboration, and reliable email communication. Also Build Company's website using wordpress and Deployed it on VPS using Docker ,Nginx Reverse Proxy and Obtaining SSL certificates using Certbot with Let's Encrypt.