

M Hamza Razzaq

DevOps Engineer, 4x AWS, 2x Kubernetes, Terraform Certified

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Experience Summary

Bachelor's degree (4 years) in Computer Science with 4+ years of software industry experience.

4 years of hands-on experience in designing and in developing highly secure, fault tolerant, scalable, highly available, and cost-efficient solutions on AWS and Kubernetes.

An experienced team player with excellent communication skills and has the ability to work independently.

Experience of working in Agile Development and Scrum Model.

Technical Skills

AWS	Terraform, IAM, VPC, S3, EC2, EKS, ECS, RDS, Route53, ELB, ASG, Cloudfront, Opensearch, AWS SSO, Secret Manager, Lambda, CloudWatch, StepFunctions, SNS, SQS, KMS, Cloudformation, ElastiCache and others
Kubernetes	Kubernetes, Helm, Kustomize, ArgoCD, FluxCD, Karpenter, EFK Stack, External Secrets, Cert Manager, Lens, Docker, Docker Compose
CICD	Github Actions, ArgoCD, FluxCD, Gitlab CICD, Jenkins, CircleCI, CodeDeploy, CodePipeline
Languages	Python, Bash, Terraform HCL, YAML
Others	Linux, SSO, NGINX, Certbot, New Relic, Git, OpenVpn

Experience

Callsign — DevOps Engineer — Abu Dhabi, UAE (Current)

Technologies: AWS, Kubernetes, Helm, Karpenter, Docker, EFK Stack, Terraform, Gitlab

- Successfully led the migration of many applications from Kubernetes 1.23 to Kubernetes 1.27.
- During the Kubernetes 1.27 migration, I skillfully resolved various issues, including those pertaining to Kubernetes api version, Fluent Bit, Fluentd, Flux, and other components.
- Contributed to the successful migration of Kubernetes autoscaling from AWS Auto Scaling Groups (ASG) to Karpenter.
- Actively participated in the development of new features planned for future releases, collaborated on enhancing and improving Terraform code, and played a key role in implementing various architectural improvements.
- Provided on-call support and resolved critical production issues, ensuring uninterrupted service availability and minimizing downtime.

EMPG Labs — DevOps Engineer — Lahore, Pakistan

Technologies: AWS, Kubernetes, Docker, EFK Stack, ArgoCD, Terraform, Github Actions, Jenkins, Bash, Python

- Worked on applications migrations to Docker and Kubernetes.
- Worked with different tools like ArgoCD, ALB Ingress Controller, Helm, Kustomize, External Secrets, ARC, Cert Manager and others.
- Built fault tolerant and self healing CICD framework using Github Actions and ArgoCD for faster and automated deployments.
- Built logging framework integrated with EKS by using EFK stack which enabled developers to have real time logging of applications.
- Worked on creating and maintaining AWS infrastructure using IaC tools like Terraform.
- Worked on writing bash and python scripts for automating day to day manual tasks.
- Worked on setting up AWS SSO with ArgoCD and OpenSearch for easy and secure access.
- Worked on creating a real time monitoring solution for applications endpoints using Cloudwatch Alarms, Metrics and Chatbot.

Arbisoft — DevOps Engineer — Lahore, Pakistan

Technologies: AWS, Kubernetes, Docker, Terraform, Jenkins, Nginx, NewRelic, CircleCI, Bash, Python

- Worked on migrating their AWS infrastructure from standalone ec2 machines to auto-scaling groups based architecture.
- Worked on creating and improving CICD pipelines for faster delivery using CircleCI and AWS CodeDeploy.
- Worked on writing cloudformation scripts for infrastructure provisioning.
- Worked on Nginx performance tuning and reduced application response time over 70%.
- Worked on writing bash scripts for automating repeated manual tasks.
- Worked on configuring New Relic as an APM tool for better application performance insight.

Northbay Solutions — DevOps Engineer — Lahore, Pakistan

Technologies: AWS, IaC, S3, IAM, EC2, RDS, ECS, Config, Route53, Elascache, Codepipeline, ALB, ASG and others

- Worked on writing reusable IaC scripts in Cloudformation and Terraform for infrastructure provisioning.
- Worked on designing architecture for migrating an application from rackspace to ECS.
- Worked on writing new and updating existing step functions for orchestration of workflows.
- Worked on setting up SFTP server on AWS using AWS Transfer Service.
- Worked on setting up NewRelic APM for real-time error analysis with on-demand diagnostic tools.

Education

Punjab University College of Information and Technology — Bachelor's in Software Engineering

(3.62 CGPA) 2015 - 2019

Certifications

[AWS Certified DevOps Engineer - Professional](#)

[Certified Kubernetes Administrator](#)

[AWS Certified Solutions Architect - Associate](#)

[Certified Kubernetes Application Developer](#)

[AWS Certified Developer - Associate](#)

[Terraform Certified Associate](#)

[AWS Certified Cloud Practitioner](#)

Achievements

Golden Badge in Python programming language on Hackerrank.

Winner in 2 programming competitions held at UET, GCU and Comsats Lahore.