

# M Hamza Razzaq

DevOps Engineer, 4x AWS Certified, CKA, CKAD

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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

<b>AWS</b>	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
<b>Kubernetes</b>	Kubernetes, Docker, Docker Compose, Helm, Kustomize, EFK Stack, ArgoCD, External Secrets, Cert Manager
<b>CICD</b>	Github Actions, ArgoCD, Jenkins, DroneCI, CircleCI, CodeBuild, CodeDeploy, CodePipeline
<b>Languages</b>	Python, Bash, HCL, YAML
<b>Others</b>	Linux, SSO, NGINX, Certbot, New Relic, Git, OpenVpn

## Experience

### Callsign — DevOps Engineer — Abu Dhabi, UAE

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

### 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, ElastiCache, 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.

## Depository Works — Software Engineer — Remote, USA

Technologies: .Net Core, C#, MVC, Swagger, MS SQL Server

- Worked as a .Net developer and was responsible for writing REST APIs

## 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](#)

[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.