

SYED HUZAIFA BIN AFZAL

DEVOPS / CLOUD INFRASTRUCTURE ENGINEER | AWS • TERRAFORM • KUBERNETES • SRE

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SUMMARY

DevOps and cloud infrastructure engineer with 6+ years of experience building, automating, and operating production AWS environments for enterprise workloads. Strong in Terraform infrastructure as code, CI/CD, Kubernetes/EKS and ECS/Fargate, Python and shell automation, IAM/RBAC, observability, incident response, multi-region resilience, and cloud cost optimization. Experienced in creating reusable platform tooling, reducing operational toil, documenting runbooks, and mentoring engineers.

EDUCATION

Master of Cybersecurity & Leadership | University of Washington | June 2026 | GPA 3.99 | Beta Gamma Sigma | Upsilon Pi Epsilon

B.S. Computer Science, Minor in Mathematics | Ghulam Ishaq Khan Institute | June 15, 2019

TECHNICAL SKILLS

Cloud: AWS: EC2, VPC, S3, IAM, Lambda, RDS/Aurora, EKS, ECS/Fargate, ElastiCache/Redis, OpenSearch, EMR, Route53, CloudFront

Infrastructure & Containers: Terraform, CloudFormation, Docker, Kubernetes/EKS, ECS/Fargate, Linux, Windows Server, AWS Systems Manager

CI/CD & Automation: Jenkins/CloudBees, GitHub Actions, GitLab CI/CD, Git, Bitbucket, Python, Bash, PowerShell, AWS CLI

Reliability & Security: Datadog, CloudWatch, IAM/RBAC/SSO, least privilege, incident response, disaster recovery, multi-region readiness, runbooks, cost optimization

PROFESSIONAL EXPERIENCE

DevOps Engineer (Contract) | Harri | Mar 2022 - May 2025

Contracted through Kalam4Solutions, Pakistan

- Designed reusable Terraform modules for API Gateway, CloudFront, Route53, OpenSearch, Redshift, and related AWS services, reducing manual provisioning effort by approximately 40% and improving consistency across environments.
- Supported production EKS and ECS services and resolved issues across VPC networking, IAM/RBAC/SSO, RDS/Aurora, Redis, OpenSearch, S3, and deployment workflows to maintain reliable enterprise SaaS operations.
- Improved resilience through Redis upgrades, OpenSearch cross-cluster replication, RDS/Aurora operations, and multi-region disaster-recovery runbooks; used Datadog and CloudWatch for monitoring and incident triage.
- Reduced AWS spend by approximately 30% through rightsizing, Trusted Advisor/Compute Optimizer analysis, and reservation planning; mentored engineers on Terraform, cloud operations, and deployment practices.

Cloud Infrastructure / Software Engineer | Systems Limited | Jul 2019 - Mar 2022

Assigned to Visionet Systems Inc., U.S. subsidiary

- Built self-service Jenkins/CloudBees and Terraform workflows for AWS EMR/Spark environments with parameters, approvals, validation, S3-backed state, notifications, and controlled teardown, reducing repetitive platform work.
- Automated patching, server scheduling, post-deployment configuration, domain-join tasks, and remediation using AWS Systems Manager, Lambda, Python, Bash, PowerShell, and AWS CLI.
- Migrated an application from EC2 to Docker-based ECS/Fargate using ECR, ALB, Route53, and Terraform, improving deployment repeatability, scalability, and production visibility.
- Integrated CloudWatch and Datadog monitoring, supported production incidents and releases, documented operational procedures, and contributed to the Best Team Award in 2020.

SELECTED PROJECTS & OPEN SOURCE

- GovernAI - University of Washington:** built a self-hosted enterprise GenAI platform using Docker, Ollama, Open WebUI, RBAC, firewall controls, and local data persistence; first-author work published at IEEE SVCC 2026.
- Contributed Terraform improvements to public AWS modules for DynamoDB and Aurora, extending reusable infrastructure code used by the Terraform community.

CERTIFICATIONS

AWS Certified Solutions Architect - Associate | Oracle Cloud Infrastructure Architect - Professional | Oracle Cloud Infrastructure Developer - Associate