

# Mohammed Farrokhali

Jersey City, NJ — (201) 978-7901 — farrokhali78@gmail.com  
linkedin.com/in/farrokh786 — github.com/farrokh786 — Portfolio

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## Summary

Cloud & DevOps Engineer with 3+ years of professional experience in Azure & AWS, specializing in automation, CI/CD, container orchestration, and infrastructure as code. Strong record of driving cloud migrations, securing workloads, and building resilient production systems across finance, healthcare, and media domains. Skilled in Terraform, Kubernetes, Jenkins, and cloud-native services with proven achievements in accelerating deployments, optimizing costs, and ensuring 99% uptime.

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## Core Skills

**Cloud:** Azure (AKS, Functions, Logic Apps, App Services, Blob, Cosmos DB, Key Vault, RBAC, ASR, VPNs), AWS (EC2, EKS, S3, IAM, VPC, CloudWatch)

**CI/CD & IaC:** Jenkins, Azure DevOps, GitHub Actions, ArgoCD, Helm, Ansible, Terraform, SonarQube, Trivy, GitOps

**Containers:** Kubernetes, Docker, Helm, Service Mesh

**Scripting:** Python, Java, Shell, PowerShell, YAML

**Monitoring:** Prometheus, Grafana, CloudWatch, Azure Monitor, App Insights

**Other:** Agile/ITIL, CI/CD Security (DevSecOps), Selenium Automation Testing, Linux Administration, Apache, Tomcat, Nginx

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## Experience

### Carelon Global Solutions

Jan 2021 – Jan 2022

*Azure Cloud & DevOps Engineer*

- Led cloud migration of healthcare workloads into Azure using Terraform and ASR for disaster recovery.
- Configured Azure VMs, VNets, NSGs, VPNs, and RBAC policies ensuring compliance with HIPAA security standards.
- Automated VM provisioning and shutdown with PowerShell, saving 20% in cloud costs.
- Designed reusable IaC templates in Terraform to standardize infra builds across dev and QA.
- Implemented Jenkins CI/CD with Selenium automated testing, reducing regression cycle by 25%.
- Optimized self-hosted Linux Jenkins agents, improving build performance by 35%.
- Built Nginx servers and automated deployments, achieving 99% application uptime.
- Created observability dashboards in Grafana & Azure Monitor for proactive incident response.
- Established connection between servers to GitHub Actions and Jenkins on Ubuntu VMs.

### Tata Consultancy Services

Feb 2022 – Jul 2023

*DevOps / SRE Engineer*

- Designed enterprise-grade CI/CD pipelines in Azure DevOps & Jenkins, accelerating release cycles by 35%.
- Provisioned infra in Azure & AWS using Terraform (VMs, AKS, EKS, App Services, VPC, IAM, NSGs).
- Automated Docker image builds and GitOps deployments via ArgoCD into AKS/EKS clusters.

- Deployed Jenkins + SonarQube + Grafana stack on AWS EC2 for integrated CI/CD, code quality, and monitoring.
- Secured workloads with Azure Key Vault & AWS Secrets Manager; enforced DevSecOps scanning with SonarQube & Trivy.
- Configured App Gateway, WAF, Load Balancers, and Azure Front Door/CDNs for global, secure deployments.
- Performed hybrid networking (VNet peering, VPNs, endpoint restrictions) enabling on-prem to cloud integration.
- Led incident triage and root cause analysis, maintaining 99% uptime across production banking applications.

## **Nova Media**

May 2025 – Aug 2025

### *DevOps Cloud Intern*

- Built Azure Functions with Python to automate GenAI workflows; cut manual work by 90%.
- Migrated scrapers to Azure serverless using Lift-and-Shift; integrated Google Drive API securely.
- Improved asset pipeline with Blob Storage automation; boosted delivery speed by 3x.
- Managed IAM policies and user roles in Azure Active Directory to control internal team access to cloud resources.

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## **Education**

**Master of Science – IT Information Systems (STEM)**, Indiana Wesleyan University, USA. Aug-2025

## **Achievements**

- Improved CI/CD performance by 35% by optimizing Jenkins agents and pipelines.
- Reduced regression testing cycle by 25% through Selenium automation in CI/CD pipelines.
- Led cross-functional cloud migration projects in finance & healthcare with zero downtime.
- Recognized for mentoring interns on IaC, cloud automation, and DevOps best practices.

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## **Portfolio**

- 3-Tier Microservices on AKS — CI/CD with Jenkins, Docker, Terraform, ArgoCD.  
[github.com/farrokh786/aks-deployment](https://github.com/farrokh786/aks-deployment)
- Cloud-Native Deployment (AWS) — Kubernetes, SonarQube, Trivy, Prometheus.  
[github.com/farrokh786/cloud-deployment](https://github.com/farrokh786/cloud-deployment)
- Portfolio Website — Projects, case studies, and technical blogs.  
[mohammeds-futuro-port.lovable.app](https://mohammeds-futuro-port.lovable.app)