

# Mohammed Farrokhali

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

## Summary

---

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

## Core Skills

---

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

**Continuous Integration and Continuous Delivery:** Jenkins, Azure DevOps, GitHub Actions, ArgoCD, Helm, Ansible, Terraform, SonarQube, Trivy, IaC, GitOps

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

**Scripting & Programming:** Python, Java, Shell, PowerShell, YAML, SQL, PySpark

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

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

## Experience

---

### Carelon Global Solutions (Client: Elevance Health)

Jan 2021 – Jan 2022

#### *Azure Cloud & DevOps Engineer*

- Led cloud migration of healthcare workloads into Azure, leveraging ARM templates, 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 using PowerShell scripts, saving 20% in cloud costs.
- Designed reusable IaC templates (ARM & Terraform) to standardize infra builds across dev and QA.
- Implemented Jenkins CI/CD pipelines with Selenium automated testing, reducing regression cycle by 25%.
- Resolved Jenkins slowness by optimizing self-hosted Linux agents, improving build performance by 35%.
- Built Nginx web servers and automated deployments, achieving 99% application uptime.
- Created observability dashboards in Grafana & Azure Monitor for proactive incident response.

### Tata Consultancy Services (Client: PNC Bank)

Feb 2022 – Jul 2023

#### *DevOps / SRE Engineer*

- Designed enterprise-grade CI/CD pipelines in Azure DevOps & Jenkins, accelerating release cycles by 35%.
- Provisioned cloud 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**

Internship – Aug-2025

*Azure Data Engineer Intern*

- Designed ETL pipelines with Azure Data Factory & Logic Apps to process structured/unstructured data.
- Built and orchestrated scalable pipelines using Azure Databricks (PySpark, Delta Lake) to process large data volumes.
- Created Synapse Analytics workspaces for downstream consumption and optimized query performance.
- Automated client onboarding workflows with Python & Azure Functions; stored assets in Blob & Cosmos DB.
- Migrated legacy scraping tools into serverless Functions, reducing manual work by 40%.
- Built Power BI dashboards for CRM pipeline analytics; integrated alerts via Logic Apps & Slack.

## Education

---

**Master of Science – IT Information Systems (STEM)**

Indiana Wesleyan University, USA

## 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 domains with zero downtime.
- Recognized for mentoring interns on IaC, cloud automation, and DevOps best practices.

## Portfolio

---

- 3-Tier Microservices on AKS – CI/CD with Jenkins, Docker, Terraform, ArgoCD.
- Cloud-Native Deployment (AWS) – Kubernetes, SonarQube, Trivy, Prometheus.
- Financial Data Pipeline (Azure) – ADF, PySpark, APIs, Power BI.
- Portfolio Website – Projects, case studies, and technical blogs.