ABDUL AZIZ MOHAMMED NAYEEM

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Professional Summary

Results-focused Cloud DevOps Engineer with 4 years of experience building and automating robust CI/CD pipelines across Azure, AWS, and GCP. Experienced with Infrastructure as Code tools (Terraform, ARM), container platforms (Docker, Kubernetes), and cloud security best practices. Adept at streamlining deployment processes, improving system reliability, and supporting the full software development lifecycle.

Work Experience

Cloud DevOps Engineer Aug 2023 – Dec 2025

Enhance IT Services *Tolichowki, Hyderabad*

- Designed and implemented scalable CI/CD pipelines in cloud environments (Azure/AWS/GCP) using Jenkins and GitHub Actions to automate reliable application delivery and increase deployment frequency by 60%.
- Developed and optimized Dockerfiles, deploying applications in containerized environments with Kubernetes to enable standardized multi-environment provisioning and reduce setup time by 50%.
- Performed Linux system administration to support DevOps workflows, troubleshooting integration and deployment issues using Terraform, ARM, and programming knowledge for smooth delivery.
- Partnered with developers to integrate DevSecOps practices, decreasing post-deployment security vulnerabilities by 20%.

Associate Developer Jan 2022 – Jul 2023

Amvotech Solutions Pvt. Ltd. *Madhapur, Hyderabad*

- Executed the automation of development and deployment tasks in the SDLC using CI/CD tools like GitHub Actions and Jenkins, improving workflow efficiency.
- Supported code integration, troubleshooting, and collaborative issue resolution with development and operations teams throughout the software development lifecycle.
- Created and maintained basic Infrastructure as Code (IaC) scripts with Terraform and Docker, reducing manual provisioning time and standardizing environments.

Technical Skills

Languages & Scripting: Python, Terraform, PowerShell, Bash
Cloud Platforms: Azure, AWS, Google Cloud Platform, Oracle Cloud Infrastructure
Database Management: Postgres, MySQL, NoSQL, Redis
Containerization and Orchestration: Docker, Kubernetes, Helm, Istio
CI/CD and Automation Tools: Ansible, Jenkins, GitHub Actions, GitLab CI/CD, Git
Monitoring and Logging: Prometheus, Grafana, ELK Stack
Libraries: Pandas, NumPy, Matplotlib

Projects

Zero-Downtime Migration of .NET Applications to Azure App Service Oct 2023 – Apr 2024

- Facilitated the "Lift and Shift" migration of 5+ legacy IIS-based .NET applications from on-premise VMs to Azure App Services, reducing infrastructure maintenance overhead by 40%.
- Implemented Azure Traffic Manager for high availability and utilized Deployment Slots to achieve zero-downtime Blue-Green deployments during production releases.
- Configured Azure SQL Database with Geo-Replication to ensure data redundancy across the East US and West US regions.

Terraform Modular Architecture for Multi-Tenant Infrastructure Jan 2024 – Oct 2025

- Refactored legacy manual infrastructure into reusable Terraform modules (VPC, EC2, RDS, S3), reducing environment provisioning time from 2 days to 45 minutes.
- Implemented Terraform State Locking using S3 and DynamoDB to prevent state corruption during concurrent team updates.
- Designed a standard "Landing Zone" architecture to quickly onboard new SaaS tenants with isolated networking and security groups.

End-to-End CI/CD Pipeline Standardization with Azure DevOps Mar 2024 – Oct 2024

- Replaced ad-hoc manual builds with standardized YAML-based Multistage Pipelines in Azure DevOps for 10+ microservices.
- Integrated SonarQube for static code analysis and Trivy for container vulnerability scanning within the build stage to enforce DevSecOps practices.
- Configured Release Gates and manual approvals for UAT and Production environments, ensuring 100% compliance with change management SLAs.

Serverless Backend for E-Commerce Mobile App Jan 2025 – May 2025

- Provisioned architecture for a serverless backend using AWS Lambda (Python) and API Gateway to handle user authentication and product inventory requests.
- Utilized DynamoDB for single-digit millisecond latency data retrieval during high-traffic launch events.
- Built a fully automated CI/CD pipeline using GitHub Actions to deploy Lambda functions upon code commit.

AKS (Azure Kubernetes Service) Implementation with Helm Sept 2024 – Nov 2025

- Orchestrated the containerization of a monolithic Java application into microservices using Docker and deployed it onto an Azure Kubernetes Service (AKS) cluster.
- Managed application deployments using Helm Charts, creating custom values files for Dev, QA, and Prod environments to manage configuration drift.
- Implemented HPA (Horizontal Pod Autoscaling) and Cluster Autoscaler to handle 3x traffic spikes during open enrollment periods without manual intervention.

Education

Lords Institute of Engineering and Technology Hyderabad, India
Bachelor of Technology, Computer Science *May 2017 – Jul 2021*

St. Joseph Junior College Hyderabad, India
High School/Intermediate *May 2015 – March 2017*