

MOHAMMED BILAL OSMANY

DEVOPS ENGINEER | AWS & AZURE CLOUD | TERRAFORM | KUBERNETES | CI/CD AUTOMATION

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DevOps Engineer with 3+ years of experience in designing scalable CI/CD pipelines and automating secure cloud infrastructure.

Proficient in Terraform, Kubernetes, Jenkins, Docker, AWS and Azure, with a proven track record of reducing deployment time by 40% and improving system uptime by 20%. Dedicated to enhancing reliability, automation, and cost efficiency through cloud-native DevOps practices.

TECHNICAL SKILLS

- **Containerization:** Docker, Kubernetes
- **Infrastructure as Code (IaC):** Terraform, CloudFormation
- **CI/CD Tools:** Jenkins, GitHub Actions
- **Scripting Languages:** Python, Bash, YAML
- **Monitoring Tools:** Prometheus, Grafana
- **Version Control:** Git, GitHub, GitLab
- **Cloud Platforms:** AWS (EC2, S3, IAM, Lambda), Azure (VMs, RBAC, Monitor)
- **Databases & Storage:** PostgreSQL, Amazon Redshift, RDS

PROFESSIONAL EXPERIENCE

Accenture: Cloud Support Analyst

Feb 2025 - Present

- Architected highly available and fault-tolerant AWS infrastructure using Auto Scaling, ELB, and Route 53.
- Developed reusable Terraform modules to provision and manage cloud resources with versioned state in S3.
- Maintained and scaled Kubernetes clusters, deploying containerized applications using blue-green strategies.
- Configured Kubernetes Ingress controllers, Secrets, and ConfigMaps to enhance application security.
- Managed distributed Jenkins pipelines (master-agent setup) to enable faster parallel deployments.
- Implemented proactive monitoring with Prometheus and Grafana, reducing incident response time by 25%.

Accenture: Cloud Support Associate

March 2022 – Feb 2025

- Designed and deployed scalable AWS cloud environments to support production workloads.
- Built CI/CD pipelines using Jenkins to streamline deployment across dev and staging environments.
- Containerized monolithic applications using Docker, improving portability and maintainability.
- Enforced AWS security standards using IAM roles, VPC configuration, and encryption policies.
- Provided support for incident troubleshooting by analyzing AWS CloudWatch logs and metrics.
- Maintained change and incident documentation in ServiceNow to ensure ITSM compliance.

CERTIFICATIONS

- **Amazon Web Services (AWS):**
 - AWS Certified Solutions Architect – Associate (SAA-C03)
 - AWS Certified Solutions Architect – Professional (SAP-C02)
 - AWS Certified Security – Specialty (SCS-C02)
- **Google Cloud Platform (GCP):**
 - Google Cloud Certified – Professional DevOps Engineer
 - Google Cloud Certified – Professional Data Engineer
 - ITIL 4 Foundation
 - Aviatix Certified Engineer – Multicloud Networking
- **Microsoft Azure:**
 - Azure Fundamentals (AZ-900)
 - Azure AI Fundamentals (AI-900)
 - Azure Administrator Associate (AZ-104)
 - Azure Solutions Architect Expert (AZ-305)
 - DevOps Engineer Expert (AZ-400)
 - Cybersecurity Architect Expert (SC-100)
 - Security Operations Analyst Associate (SC-200)

EDUCATION

- Bachelor of Engineering (Mechanical Engineering) | Mumbai University | 2017-2020
- Diploma in Engineering (Mechanical Engineering) | MSBTE | 2014 - 2016

PROJECTS

Hybrid Multi-Cloud Deployment for Containerized Workloads

Client: Internal Enterprise Tool Modernization | **Tech:** AWS, Azure, Kubernetes, Terraform, S3, DynamoDB

Designed and deployed hybrid cloud architecture across AWS and Azure using

- Kubernetes Built reusable Terraform modules for automated provisioning, reducing
- setup time by 40% Integrated S3 and DynamoDB for scalable storage and real-time data
- access Optimized resource usage with auto-scaling and deprovisioning, reducing cloud
- spend by 20% Achieved 99.9% uptime while reducing operational overhead through observability and automation

CI/CD Modernization for Legacy Application

Client: Retail Application Migration Project | **Tech:** Docker, Kubernetes (EKS), Jenkins, MySQL, Prometheus, Grafana, Ingress Controller

- Migrated a legacy monolithic application into containerized microservices using Docker and Kubernetes (EKS)
- Designed blue-green and canary deployment strategies, enabling zero-downtime releases with controlled traffic distribution
- Built Jenkins pipelines to automate testing, build, and deployment workflows across environments
- Configured Ingress controllers and health checks for reliable routing and service availability
- Integrated Prometheus and Grafana to monitor app performance and alert on anomalies in real-time

Predictive Maintenance & Supply Chain Optimization

Client: BP Castrol | **Tech:** AWS (SageMaker, Forecast, IoT Core, QuickSight)

- Built a lightweight predictive system to support equipment monitoring and supply chain planning
- Ingested sensor data using AWS IoT Core and applied forecasting models to improve maintenance cycles
- Delivered operational dashboards via AWS QuickSight, improving supply chain visibility and efficiency
- Helped reduce downtime and enhance data-driven decision-making in lubricant operations

AWARDS & RECOGNITION

P4 Rating – AWS & DevOps Excellence (FY24 & FY25)

- Received the highest performance rating (P4) consecutively for demonstrating expertise in AWS services and DevOps toolchains

Bravo Award – Accenture (FY24)

- Recognized for completing the highest number of internal training hours across cloud, DevOps, and infrastructure practices.
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