

# MAHESH GORE

✉ [maleshgore@zohomail.in](mailto:maleshgore@zohomail.in) ☎ +91 7774913037  
🌐 [Portfolio](#) 🔄 [mahigore](#) 📠 [maleshgore7888](#) 🌐 [maleshgoredevops](#)

## Career Summary

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A results-driven **DevOps Engineer** with **2+** years of professional experience specializing in building, automating, and maintaining CI/CD pipelines. Proven ability in leveraging AWS cloud services, Terraform for Infrastructure as Code (IaC), and Docker/Kubernetes for container orchestration. Achieved **99.99% uptime** and reduced deployment time by **40%** through automation and process optimization.

## Certifications

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- **AWS Certified Solutions Architect - Associate** - [Link](#)
- **HashiCorp Certified: Terraform Associate**

## Skills & Interests

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**Cloud & IaC:** AWS (EC2, EKS, RDS, S3, Lambda, VPC, IAM, CloudWatch, Route53), Terraform, CloudFormation

**Containers:** Docker, Kubernetes, Helm Charts

**CI/CD & GitOps:** Jenkins, ArgoCD

**Monitoring:** Prometheus, Grafana, Elasticsearch, Kibana, Fluent Bit, EFK Stack

**Tools:** Ansible, Linux, Git

## Work Experience

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### Freelancer

Nov 2023 - Present

#### *DevOps Engineer*

- Provisioned and managed scalable AWS infrastructure using Terraform (IaC), reducing deployment time by **40%** and ensuring infrastructure consistency and version control.
- Maintained Infrastructure State consistency and supported team collaboration by configuring an **S3 Backend with DynamoDB locking** for Terraform Remote State.
- Designed and implemented a **Warm Standby DR strategy** across two AWS regions to ensure **99.99%** uptime.
- Provisioned **Amazon RDS** with fault-tolerant multi-AZ configuration (Read Replicas) in primary region and cross-region backups, guaranteeing data persistence.
- Configured **ASG Lifecycle Hooks** to ensure graceful instance launch and implemented **ASG Scheduling** to optimize cost efficiency during off hours.
- Engineered and managed a secure **AWS EKS Cluster** achieving **99.99%** application uptime through multi-AZ distribution and automated scaling.
- Hardened Cluster Security by implementing **IRSA** across services, eliminating static AWS credentials in pods.
- Successfully executed a major **EKS Cluster Upgrade** with zero downtime, coordinating the upgrade of approximately 50 worker nodes and services.
- Pioneered a **GitOps deployment strategy using ArgoCD**, managing application stacks and shortening the software deployment cycle time by **25%**.
- Automated **CI/CD Pipelines in Jenkins**, covering the entire software delivery lifecycle and reducing manual intervention by **90%**.
- Standardized Configuration by developing and maintaining **Helm Charts** for microservices, enabling rapid deployment and facilitating rollbacks.
- Implemented **Blue/Green Deployment Strategy** to achieve zero-downtime application releases and provide immediate rollback capability.
- Engineered a **Serverless CI/CD Pipeline** using event-driven architecture to automate deployments: S3 Upload → Event Notification → Lambda Trigger → AWS SSM Execution.
- Established a **Unified Monitoring System** using **Prometheus** and **Grafana**, creating 5 core dashboards that reduced incident detection time by **45%**.
- Deployed a **Centralized Logging Solution (EFK Stack)** using **Fluent Bit** to stream daily container logs into Elasticsearch, enabling complex log queries and root-cause analysis.
- Developed a real-time alerting system: Configured **CloudWatch Metric Filters** which triggered **SNS Topic** and **Lambda function** to send instant error notifications to Slack.
- Ran **Ansible playbooks** to ensure consistent, fleet-wide installation and configuration of the **CloudWatch Agent**.

## Education

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**Government College of Engineering, Amravati**

*B.Tech (CGPA: 7.66)*