KUMAR WAGHMARE

Gurgaon, India | +91 8408077869 | kumarwaghmare7869@gmail.com | LinkedIn | Medium

Open to relocate | Work permit sponsorship required

PROFESSIONAL SUMMARY

DevOps Engineer with 3 years of progressive experience architecting and managing cloud-native infrastructure on AWS and GCP. Proven track record of reducing deployment times by 60%, cutting infrastructure costs by 25%, and ensuring 99.9% system uptime through strategic automation and scalable Kubernetes orchestration. Specialized in building production-grade CI/CD pipelines, implementing Infrastructure as Code (IaC), and driving DevOps best practices across development lifecycle. Expertise in containerization, monitoring, security hardening, and disaster recovery for mission-critical applications.

CORE COMPETENCIES

- Cloud Infrastructure & Architecture: AWS (EC2, ECS, EKS, Lambda, RDS, S3, CloudFront, VPC, IAM, Route 53, ACM, Systems Manager), GCP (Compute Engine, Cloud Run, GKE, Cloud Storage, Cloud SQL)
- Container Orchestration & Microservices: Kubernetes (EKS/GKE), Docker, Helm, Ingress Controllers, Horizontal Pod Autoscaling (HPA), Service Mesh
- CI/CD & Automation: Jenkins, GitLab CI/CD, GitHub Actions, Docker Multi-stage Builds, Webhook Integration, Automated Testing & Deployment
- Infrastructure as Code (IaC): Terraform (modules, state management, workspaces), Ansible, AWS CloudFormation
- Monitoring & Observability: Prometheus, Grafana, AWS CloudWatch, ELK Stack, Alert Management, Performance Optimization
- Security & Compliance: IAM Policy Design, AWS GuardDuty, Inspector, CloudTrail, Security Auditing, Vulnerability Scanning, SSL/TLS Certificate Management

PROFESSIONAL EXPERIENCE

DevOps Engineer | Febi.ai, Gurgaon, India
May 2023 – Present

Cloud Infrastructure & Cost Optimization

- Architected and deployed highly available, fault-tolerant AWS infrastructure spanning EC2, ECS, EKS, RDS, DocumentDB, and S3, serving production applications with 99.9% uptime SLA
- Engineered cost optimization strategies through instance rightsizing, AWS Reserved Instances for predictable workloads, and auto-scaling policies, achieving 25% reduction in monthly cloud spend (~$15K savings annually)

Kubernetes & Container Orchestration

- Built and managed production-grade EKS clusters with 20+ microservices and web applications, implementing NGINX Ingress Controller, Horizontal Pod Autoscaling (HPA), and resource quotas for optimal workload distribution
- Containerized legacy applications using Docker multi-stage builds, reducing image sizes by 40% and improving deployment speed by 3x
- Established Kubernetes monitoring and logging stack using Prometheus, Grafana, and Fluent Bit, providing real-time visibility into cluster health, resource utilization, and application performance

CI/CD Pipeline Development & Automation

- Designed and implemented end-to-end CI/CD pipelines using Jenkins with webhook integration, automating build, test, and deployment processes across multiple environments

- Reduced deployment cycle time by 60% (from 2 hours to 45 minutes) through pipeline optimization, parallel job execution, and automated rollback mechanisms
- Developed Python and Shell automation scripts for infrastructure provisioning, log analysis, and incident response, reducing manual operational tasks by 70%

Infrastructure as Code & Configuration Management

- Led infrastructure migration from manual provisioning to Terraform-based IaC, standardizing configurations across multiple environments and enabling version-controlled, repeatable deployments
- Developed reusable Terraform modules for VPC, EKS, RDS, and security groups, reducing infrastructure provisioning time from days to hours
- Automated OS patching and configuration management using AWS Systems Manager (SSM) Patch Manager, achieving 100% compliance with security policies

Security & Compliance

- Strengthened cloud security posture by implementing IAM least-privilege access policies, MFA enforcement, and role-based access control (RBAC) across all AWS accounts
- Deployed AWS GuardDuty, Inspector, and CloudTrail for continuous threat detection, vulnerability scanning, and compliance auditing, reducing security incidents by 40%
- Implemented SSL/TLS certificate management using AWS ACM and automated certificate renewal via Route 53 DNS validation, ensuring encrypted communication for all services

EDUCATION

Bachelor of Engineering | CGPA: 8.6/10.0 | Percentage: 81.7%

G H Raisoni Institute of Engineering and Technology, Nagpur, Maharashtra
July 2017 – August 2021

KEY PROJECTS

Microservices E-Commerce Platform on AWS EKS

Tech Stack: AWS EKS, VPC, ALB, Docker, Kubernetes, MongoDB, Redis, MySQL, RabbitMQ, Prometheus, Grafana

- Deployed Stan's Robot Shop microservices application on AWS EKS with three-tier architecture, implementing multi-AZ high availability with NGINX Ingress Controller and Application Load Balancer for intelligent traffic routing
- Configured Horizontal Pod Autoscaling (HPA) and orchestrated 8+ containerized microservices with MongoDB, Redis, MySQL, and RabbitMQ using Kubernetes StatefulSets and persistent volumes

Enterprise Disaster Recovery & Business Continuity Solution

Tech Stack: AWS EC2, VPC, S3, RDS, ECS, Auto Scaling, CloudWatch, Lambda, SNS, Multi-AZ

- Designed disaster recovery strategy for ECS-hosted microservices achieving RPO of 15 minutes and RTO of 1 hour with multi-AZ EC2 deployment across 3 Availability Zones ensuring 99.99% availability
- Implemented automated backup strategy using S3 versioning, lifecycle policies, and cross-region replication with 30-day retention; configured RDS Multi-AZ with automated backups and Point-in-Time Recovery (PITR)

ADDITIONAL INFORMATION

- Strong understanding of DevOps methodologies, Agile practices, and continuous improvement principles
- Experience with version control systems (Git, GitHub, GitLab) and collaborative development workflows
- Proven ability to work independently and collaboratively in fast-paced, dynamic environments
- Excellent problem-solving skills with focus on root cause analysis and preventive solutions