PRAFUL GADBAIL

DevOps Engineer (2+ Years) | AWS | Kubernetes | Terraform | CI/CD | GitOps | DevSecOps

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Notice Period: 15 Days or Less | Open to Relocation & Remote

PROFESSIONAL SUMMARY

DevOps Engineer with 2+ years of experience building CI/CD pipelines, provisioning cloud infrastructure, and deploying 15+ microservices across Dev, Staging, and Prod, primarily on AWS with working experience on Azure and GCP. Automate builds and releases with Jenkins and GitHub Actions, deploy to Kubernetes (EKS, AKS, GKE) using Helm and Argo CD, and provision infrastructure with Terraform and Ansible. Secure pipelines and access with SonarQube, Trivy, Gitleaks, IAM, and Secrets Manager, and manage RDS databases. Monitor and troubleshoot with Prometheus, Grafana, ELK, Loki, and CloudWatch, scale workloads with HPA, Cluster Autoscaler and Karpentar, and cut non-production AWS compute hours by about 65% through scheduled shutdowns.

TECHNICAL SKILLS

- **Cloud Platforms:** AWS (Primary), Microsoft Azure, Google Cloud Platform (GCP)
- **CI/CD & GitOps:** Jenkins (Multibranch Pipeline, Controller-Agent, GitHub Webhooks), GitHub Actions, Azure DevOps (YAML Pipelines), GitLab CI/CD, Argo CD
- **Infrastructure as Code (IaC) & Configuration Management:** Terraform (Reusable Modules, Remote State), AWS CloudFormation, Ansible
- **Containers & Registries:** Docker (Dockerfiles, Multi-stage Builds, Docker Compose, Volumes, Networks), Amazon ECR, Azure Container Registry (ACR), Google Artifact Registry
- **Container Orchestration:** Kubernetes (Amazon EKS, Azure AKS, Google GKE), Helm, kubectl, Deployments, StatefulSets, DaemonSets, Services, Ingress, ConfigMaps, Secrets, RBAC, HPA, Cluster Autoscaler, Karpentar, Health Probes
- **Monitoring & Observability:** Prometheus, Grafana, ELK Stack (Elasticsearch, Logstash, Kibana), Loki Amazon CloudWatch, Azure Monitor
- **DevSecOps & Security:** SonarQube, Trivy, Gitleaks, OWASP Dependency-Check, IAM (Least Privilege), AWS Secrets Manager, Azure Key Vault, Microsoft Entra ID, Azure RBAC
- **Cloud Cost Optimization (FinOps):** Scheduled Shutdowns (EventBridge, Lambda), Spot Instances, AWS Budgets, Cost Explorer
- **Scripting & Operating Systems:** Bash, Python (Boto3), Linux
- **AWS Services:** EC2, VPC, IAM, S3, EBS, ECS, ALB, Auto Scaling, Route 53, CloudFront, ACM, EventBridge, Lambda, SES, SQS, SNS, CloudTrail, RDS, DynamoDB
- **Azure Services:** Virtual Machines, VNet, NSGs, Load Balancer, Azure Storage
- **GCP Services:** Compute Engine, VPC, IAM
- **Networking:** Subnets, Security Groups, DNS, Load Balancing, SSL/TLS
- **Version Control & Build Tools:** Git, GitHub, GitLab, Maven, npm
- **Databases:** Amazon RDS (PostgreSQL, MariaDB), DynamoDB, MongoDB Atlas
- **Practices:** DevSecOps, Release Management, Rollbacks, High Availability, Troubleshooting

PROFESSIONAL EXPERIENCE

DevOps Engineer | VisionQuest Solutions Pvt Ltd, Bengaluru (Remote) **07/2024 – Present**

- Build and maintain **Jenkins** CI/CD pipelines for 15+ microservices: GitHub webhook trigger, Gitleaks secret scan, Maven build, OWASP Dependency-Check, SonarQube quality gate, Docker image build, Trivy image scan, push to Amazon ECR, and **Helm** deployment to **Amazon EKS** with rollout verification and pipeline notifications.
- Implement CI/CD pipelines for multiple projects using **GitHub Actions** to build and publish Docker images to Amazon ECR, Azure Container Registry, and Google Artifact Registry, with GitOps-based deployments using **Argo CD** and **Helm** across AWS EKS, Azure AKS, and GCP GKE.

- Provision AWS infrastructure (VPC, EC2, S3, IAM, ECR, EKS) using reusable **Terraform** modules with environment-specific configurations and remote state in S3 with native state locking, and automate server configuration, package installation, service setup, and application deployment with **Ansible**.
- Deploy and manage microservices on **Kubernetes** clusters (Amazon EKS, Azure AKS, Google GKE) using kubectl and **Helm** charts, configuring Deployments, StatefulSets, Services, Ingress, ConfigMaps, Secrets, and RBAC, with health probes, HPA, Karpentar, and Cluster Autoscaler for scaling, rolling updates, rollbacks, and pod-level troubleshooting.
- Containerize microservices with optimized **Dockerfiles** following best practices (multi-stage builds, minimal base images, layer caching, .dockerignore, pinned image versions, and non-root users), reducing image size by ~60%, and run multi-container local environments with **Docker Compose**.
- Deploy and manage containerized applications on **Amazon EC2** and **Amazon ECS** behind Application Load Balancers with Auto Scaling, and event-driven workloads on **AWS Lambda**, handling image releases from Amazon ECR, application configuration, CloudWatch monitoring, and production troubleshooting.
- Monitor AWS infrastructure with **Amazon CloudWatch** metrics, logs, and alarms, and Kubernetes workloads with **Prometheus** and **Grafana** dashboards and alerts, and centralize logs in the **ELK Stack** (Elasticsearch, Logstash, Kibana) and **Loki** to troubleshoot incidents and find root causes ~40% faster.
- Secure AWS workloads by enforcing least-privilege **IAM** roles and policies, isolating applications in VPC private subnets with security groups, storing database credentials and application secrets in **AWS Secrets Manager**, and encrypting sensitive data and connections with TLS certificates from ACM.
- Reduce non-production AWS compute hours by ~65% by automating nightly and weekend shutdowns with **Amazon EventBridge**, **AWS Lambda**, and Python (Boto3), and further cut spend with **EC2 Spot Instances**, optimized EKS node capacity, cleanup of unused resources, and AWS Budgets alerts and Cost Explorer reports.
- Automate Linux operational tasks using **Bash** scripts for service health checks, log processing, and routine maintenance, and use **Python (Boto3)** to retrieve AWS resource inventories, validate resource configurations, and generate operational reports.

PROJECTS

E-commerce Microservices Application – AWS EKS

Tech Stack: *AWS (EKS, ECR, RDS, S3, CloudFront, Route 53, ACM), Terraform, Jenkins, GitHub Actions, Argo CD, Helm, Docker, Gitleaks, SonarQube, Trivy, Prometheus, Grafana*

- **Architecture:** Deployed a 10+ microservice e-commerce application with a React frontend on Amazon S3 and CloudFront, Java backend services on Amazon EKS, and Amazon RDS as the database, using Route 53 and ACM for DNS and TLS.
- **Infrastructure as Code:** Provisioned the AWS environment (VPC, IAM, EC2, EKS, ECR, S3, RDS) with Terraform following secure access and high-availability practices.
- **Jenkins CI/CD:** Built a Multibranch Pipeline on a Controller-Agent setup with GitHub webhooks, Maven, SonarQube, Gitleaks, OWASP Dependency-Check, Trivy, and Amazon ECR, with Helm-based Dev and Prod deployments, production approval, image promotion, and rollback.
- **GitOps CI/CD:** Built a GitHub Actions workflow with SonarQube Cloud, Gitleaks, Trivy, and AWS OIDC authentication to Amazon ECR, and delivered Dev and Prod deployments through a separate Argo CD repository with Helm, pull-request approvals, and automated sync to Amazon EKS.
- **Monitoring & Operations:** Monitored Kubernetes workloads with Prometheus and Grafana dashboards, and managed scaling, troubleshooting, and deployment rollbacks using kubectl and Helm.

EDUCATION

B.Tech – Computer Science & Engineering | Eklavya University, Damoh **2021 – 2024**

TRAINING & BADGES

AWS Knowledge: Amazon EKS - Training Badge | Amazon Web Services (AWS) | Verify **2026**