

Ghanshyam Ramole

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[Portfolio](#) | [LinkedIn](#)

SUMMARY

DevOps Engineer specializing in cloud automation, Infrastructure as Code (IaC), and container orchestration. Proven experience designing scalable AWS environments using Terraform, reducing infrastructure provisioning time by up to 80%. Built and automated CI/CD pipelines with Jenkins, GitHub Actions, and Argo CD to enable zero-downtime deployments. Expert in Kubernetes, Prometheus, and Grafana for system reliability, and observability. Focused on DevSecOps and cloud cost optimization.

TECHNICAL SKILLS

- **Cloud Platforms:** AWS (EC2, S3, VPC, RDS, IAM, Route53, CloudWatch), Azure, Azure DevOps
- **Containerization & Orchestration:** Docker, Docker Compose, Docker Swarm, Kubernetes, EKS, ECS, Helm
- **Infrastructure as Code (IaC):** Terraform, AWS CloudFormation, Ansible (Configuration Management)
- **CI/CD & GitOps:** Jenkins, GitHub Actions, Argo CD, Git, Maven
- **Observability & Logging:** Prometheus, Grafana, CloudWatch
- **Networking & Security:** VPC, Subnetting, Security Groups, NACL, KMS, Trivy, SonarQube, OWASP
- **Scripting & OS:** Bash/Shell Scripting, Python, Linux (RHEL, Ubuntu, CentOS), Windows Server

EXPERIENCE

TechnoHacks Edutech Nashik, India
Intern Jul 2024 – Aug 2024

- Administered RHEL and Ubuntu server environments, focusing on high availability and performance metrics.
- Developed shell scripts to automate system updates and backups, reducing manual maintenance efforts by 30%.
- Configured firewall rules and resolved connectivity issues (TCP/IP, UDP, HTTP/HTTPS) to ensure 99.9% uptime.
- Collaborated within Agile workflows by participating in daily stand-ups and sprint planning to deliver infrastructure fixes.

PROJECTS

DevOps Arsenal: End-to-End MERN Deployment | [GitHub](#)

- Architected a high-availability AWS environment (VPC, EKS, IAM) using Terraform, cutting setup time by 80%.
- Engineered a zero-downtime pipeline using Jenkins (CI) and Argo CD (CD) for automated Git-to-K8s sync.
- Integrated Prometheus and Grafana via Helm charts for cluster health monitoring and custom latency dashboards.
- Managed MongoDB NoSQL integration on Kubernetes, ensuring high availability and data consistency.

AWS-MultiEnv-Automation-Engine | [GitHub](#)

- Engineered multi-stage IaC architectures using Terraform and AWS to automate the provisioning of Ansible, Docker Swarm, and Amazon EKS clusters across isolated Dev, Stage, and Production environments.
- Developed automated CI/CD pipelines by integrating Ansible, Jenkins, and Maven to orchestrate the end-to-end lifecycle from Java compilation to Docker containerization and registry deployment.
- Optimized container orchestration via Kubernetes (k8s) manifests, implementing RollingUpdate strategies, health probes, and RBAC security contexts to ensure high availability and secure application delivery.

AWS CodePipeline Multi-Stage CI/CD Framework | [GitHub](#)

- Architected a resilient multi-stage CI/CD ecosystem utilizing AWS CodePipeline, CodeBuild, and CodeDeploy to automate the lifecycle of a containerized Java Spring Boot application from GitHub source to Amazon EC2 production environments.
- Engineered infrastructure using Docker, AWS ECR and S3, ensuring secure artifact management for production, leveraging AppSpec hooks and Shell scripting to automate Blue/Green deployments for zero-downtime releases and instant rollbacks.

EDUCATION

Sandip University Nashik, India
Bachelor of Engineering in Computer Science (Cloud Technology & Information Security) Dec 2021 – Jul 2025
GPA: 8.5/10.0

CERTIFICATIONS

- AWS Cloud Quest: Generative AI Practitioner (Aug 2025)
- AWS Cloud Quest: Cloud Practitioner (Jul 2025)
- AWS Knowledge: Cloud Essentials (Jun 2025)