Atharva Pudale

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PROFILE

DevOps Engineer skilled in automating AWS infrastructure using Terraform, Docker, and Kubernetes. Built CI/CD and GitOps pipelines with Jenkins and ArgoCD, deployed multi-environment EKS clusters, and implemented full-stack monitoring with Prometheus and Grafana.

TECHNICAL SKILLS

Linux, Shell Scripting (BASH), Amazon Web Services, Git & GitHub, Docker, Docker Compose, Jenkins, Terraform, Kubernetes, Helm, ArgoCD,, Prometheus, Grafana

EDUCATION

Dr. D. Y. Patil Institute of Technology,   2021 – 2025
B.E. Computer Engineering (Pune University)

INTERNSHIP

Cloud Infrastructure Intern, *Autocal Systems PVT. LTD*   08/2024 – 01/2025 | Pune, India
- **Designed** and **implemented** reusable **Terraform modules** for AWS (VPC, IAM, EKS), enabling standardized deployments across environments.
- **Automated** provisioning of VPC, EKS, and S3, reducing manual configuration effort by over **50%**.
- **Configured** IAM roles, NAT gateways, and security groups to align with AWS best practices and enhance infrastructure security.
- **Achieved** a **40% improvement** in infrastructure deployment efficiency through IaC automation.
- **Accelerated** development cycles by enabling consistent, reproducible cloud-native environments across multiple teams.

PROJECTS

Complete Production CI/CD Pipeline, *AWS | Terraform | Jenkins | Docker | ArgoCD | Prometheus | Grafana*

- **Provisioned** an AWS **EKS cluster** using **Terraform** to deploy a containerized microservices-based travel blog (**React, Node.js**, **MongoDB**, **Redis**).
- **Containerized** services using **Docker** and **tested** locally with Docker Compose.
- **Developed** CI/CD pipelines in **Jenkins**, integrating **Trivy**, **OWASP**, and **SonarQube** for security and code quality checks.
- **Automated** Docker image builds, tagging, and **deployed** to EKS using **GitOps** with **ArgoCD**.
- **Implemented** monitoring with **Prometheus** and **Grafana**, ensuring consistent availability and visibility during testing and staging phases.

GitOps Deployment with Argo CD, Helm & Monitoring, *Kubernetes | KIND | Helm | Argo CD | Prometheus | Grafana*

- **Deployed** a microservices-based voting app on a **KIND Kubernetes cluster**, reducing environment spin-up time by **70%** for local testing.
- **Containerized** 4 services (frontend, backend, Redis, Postgres) and **orchestrated** deployments using Helm, increasing deployment consistency by **90%**.
- **Implemented** a GitOps pipeline via **Argo CD**, enabling automated syncs and reducing manual deployment effort by **80%**.
- **Integrated** Prometheus and Grafana, **visualizing 15+ real-time metrics** across cluster and app components.
- **Monitored** pod health and resource usage through dashboards, identifying performance issues **30% faster** during testing cycles.

Multi-Environment EKS Setup with ArgoCD & Monitoring, *Terraform | AWS EKS | ArgoCD | Helm | Prometheus | Grafana*

- **Built** modular **Terraform** code to provision isolated **dev**, **stage**, and **prod** environments on **AWS EKS**, improving infrastructure reuse and maintainability by **60%**.
- **Automated** provisioning of **VPCs**, **subnets**, **NAT Gateways**, and EKS node groups using reusable modules, reducing setup time by **50%**.
- **Implemented** GitOps-based **CI/CD pipelines** using **ArgoCD**, enabling seamless deployments from GitHub with zero-downtime rollouts.
- **Deployed** monitoring stack (**Prometheus** & **Grafana**) via **Helm**, achieving full cluster observability with **20+ real-time metrics**.
- **Managed** Kubernetes manifests and Helm charts through version-controlled **Infrastructure as Code**, ensuring consistent and auditable releases across environments.