

Akash Sheoran

Devops Engineer



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About Me

DevOps Engineer with 2+ years of experience in AWS, Kubernetes, and Terraform, specializing in CI/CD and GitOps automation. Built and managed production-grade Amazon EKS infrastructure, automated deployments using Azure DevOps and ArgoCD, and implemented monitoring and logging with Prometheus, Grafana, and EFK. Improved release frequency by 3x, reduced infrastructure provisioning time by 80%, and enabled faster incident resolution through centralized monitoring and logging.

Education

UIET, Kurukshetra University

2019-2023

Bachelor of Technology in Computer Science

Technical Skills

- **Cloud:** AWS (EKS, EC2, S3, IAM, VPC, ALB, Route53, EFS, EBS, etc.)
- **Containers & Orchestration:** Docker, Kubernetes
- **Infrastructure as Code:** Terraform
- **CI/CD:** Azure DevOps Pipelines
- **GitOps:** ArgoCD, Git, Github
- **Monitoring:** Prometheus, Grafana, Cloudwatch
- **Logging:** EFK Stack (Elasticsearch, Fluent Bit, Kibana)
- **Configuration Management:** Ansible
- **Scripting:** Bash, Python
- **Package Management:** Helm
- **Operating System:** Linux

Work Experience

Amiti Software Technologies

Dec 2023 - Present

- Managed AWS infrastructure (VPC, EC2, IAM, S3, EKS) using Terraform, reducing environment setup time by ~80%.
- Provisioned and maintained Kubernetes (EKS) clusters for production and staging environments across multiple AZs.
- Deployed microservices on Kubernetes using Helm charts, standardizing deployments and enabling faster rollbacks.
- Built CI/CD pipelines using Azure DevOps to automate Docker build and Kubernetes deployments, increasing release frequency.
- Implemented GitOps workflow using ArgoCD with helm for automated and version-controlled Kubernetes deployments.
- Implemented monitoring and logging using Prometheus, Grafana, and EFK stack with alerting.
- Planned and executed production maintenance windows including patching, upgrades, and rollback with minimal downtime.
- Migrated applications from VMware Cloud (VMC) to AWS EKS by containerizing workloads and implementing CI/CD and GitOps.

PERSONAL PROJECT

Production-Ready 3-Tier Application on AWS EKS

Project Repositories:

- EKS Infrastructure: <https://github.com/akash66sheoran/tf-aws-eks>
- EKS Add-ons: <https://github.com/akash66sheoran/tf-eks-cluster-addons>
- GitOps (Helm+ArgoCD): <https://github.com/akash66sheoran/ecom-gitops>
- Application Code: <https://github.com/akash66sheoran/ecom-app>

Project Description:

- Architected a highly available 3-tier microservices application on AWS EKS (frontend, backend, database) across multiple Availability Zones.
- Designed a modular GitOps-based architecture by separating repositories for Terraform infrastructure, gitops, and application code.
- Automated AWS infrastructure provisioning using Terraform (VPC, subnets, IAM, EKS, ALB), reducing manual setup time significantly.
- Built CI pipeline using Azure DevOps to automatically build and push Docker images to dockerhub on every code commit.
- Implemented GitOps CD using ArgoCD to automatically deploy applications to Kubernetes using Helm charts.
- Configured ALB Ingress Controller with GoDaddy domain for external access.
- Implemented monitoring using Prometheus & Grafana and centralized logging using EFK stack for observability.