Sanskar Srijan

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Summary

DevOps Engineer with 1.6+ years of experience architecting cloud infrastructure on Azure (AKS, ACR, VNets, Event Hub) and AWS, designing CI/CD pipelines, and implementing GitOps workflows with ArgoCD and Terraform. Focused on automation, reliability, and reducing operational toil for production-grade cloud-native systems.

Education

Sikska O Anusandhan University — Bhubaneshwar
Bachelor of Technology in Computer Science — *Aug. 2020 – May 2024*

Experience

DevOps Engineer — April 2025 – Present
Tata Elxsi — *Bengaluru*

- Designed and implemented CI/CD pipelines using Azure DevOps with SonarQube integration, reducing manual deployment effort by around 60% across 3+ microservices environments (dev, staging, production).
- Owned multi-environment GitOps deployments using ArgoCD/FluxCD with automated rollback mechanisms, achieving near-zero downtime releases.
- Provisioned and managed Azure cloud infrastructure (AKS, ACR, VNets) using Terraform, maintaining 99.9%+ cluster uptime for production-grade workloads.
- Built observability stack using Prometheus, Grafana, and ELK, enabling real-time alerting and cutting mean time-to-detect (MTTD) for incidents by around 40%.
- Automated configuration management across 10+ Linux servers using Ansible playbooks, eliminating manual drift and standardizing deployments.
- Developed Python scripts for infrastructure health checks and monitoring integrations, reducing on-call toil for the team.
- Assisted in preparing project proposals and technical documentation by analyzing internal project architectures and DevOps workflows.

DevOps Engineer - Intern — Feb. 2024 – June. 2024
Tata Elxsi — *Bengaluru*

- Built Jenkins CI/CD pipelines with automated testing and SonarQube quality gates, standardizing the build and delivery process for 6 containerized applications and reducing manual build steps.
- Deployed containerized workloads on Kubernetes with rolling updates and liveness/readiness probes, enabling zero-downtime deployments and improving release reliability.
- Created Grafana dashboards to surface Kubernetes cluster metrics and application health, improving team visibility into infrastructure performance and speeding up issue triage.

Projects

Smart Data Center | *Azure Cloud, Azure DevOps, AKS, ACR, Git, Kafka, Python*

- Architected and deployed a microservices application on Azure AKS with ACR-backed GitOps workflows, supporting 5+ independently deployable services.
- Built end-to-end CI/CD pipelines in Azure DevOps covering build, test, image push, and multi-environment promotion with automated rollback.
- Implemented real-time event streaming with Kafka and Azure Event Hub, handling high-throughput inter-service communication at low latency.
- Provisioned all cloud infrastructure (AKS clusters, VNets, ACR, Event Hub) using Terraform modules.

Vehicle Management Dashboard | *Kubernetes, Docker, Postgres, Redis*

- Deployed highly scalable microservices on Kubernetes with auto-scaling enabled.
- Configured Kafka for asynchronous event streaming and inter-service communication.
- Implemented Redis for caching and session management, and PostgreSQL for persistent data storage.
- Integrated Single Sign-On (SSO) authentication for secure unified user access across the application.

Technical Skills

Cloud and Infrastructure: Azure (AKS, ACR, Event Hub), AWS, Terraform, Ansible, Linux
Containers and CI/CD: Docker, Kubernetes, Helm, Azure DevOps, ArgoCD, FluxCD, SonarQube
Monitoring and Data: Prometheus, Grafana, ELK Stack, Kafka, Redis, PostgreSQL
Programming and Tools: Python, Bash, YAML, Git, Networking (Load Balancers, Network Policies, SSO, RBAC)