

AJINKYA THAKARE

DevOps / MLOps Engineer

AWS | Kubernetes | Terraform | CI/CD | GitOps | MLOps | AIOps | DevSecOps
Thane, Maharashtra, India • +91 8693063044 • ajinkyathakare758@gmail.com • github.com/ajinkyatha

PROFESSIONAL SUMMARY

DevOps Engineer with 3+ years building and operating production cloud infrastructure on AWS and Kubernetes for high-traffic platforms in regulated industries (insurance, travel). Cut incident resolution time by 40% and held a 99.9% uptime SLA through layered observability (Prometheus, Grafana, ELK). Specialist in CI/CD automation (Jenkins, GitHub Actions, Azure DevOps), Infrastructure as Code (Terraform, Ansible), and GitOps delivery via ArgoCD. Extending into MLOps and AI-augmented operations — building end-to-end model pipelines (MLflow, Evidently, Kubernetes serving) and AIOps/LLM-driven automation for the delivery path. Comfortable owning the full path from commit to production for services used by millions of end users.

TECHNICAL SKILLS

Cloud Platforms: AWS (EC2, S3, IAM, RDS, CloudWatch, EKS), Microsoft Azure

Containers & Orchestration: Docker, Kubernetes (EKS, k3s), Helm Charts

CI/CD & GitOps: Jenkins, GitHub Actions, Azure DevOps, ArgoCD

Infrastructure as Code: Terraform, Ansible, AWS CloudFormation, Azure CLI

MLOps: MLflow (tracking + model registry), Evidently (drift monitoring), model serving (FastAPI), CI-driven retraining, Airflow

Monitoring & Observability: Prometheus, Grafana, ELK Stack, Opsgenie, CloudWatch

Security & DevSecOps: Trivy, Checkov, TruffleHog, SonarQube, IAM least-privilege, Secrets Management

AI-Augmented DevOps: AIOps (k8sgpt), LLM-based PR review & security triage, anomaly detection, Groq / Gemini APIs

Scripting & Languages: Python, Bash/Shell, SQL, PHP

Networking: VPC, Subnets, Security Groups, Load Balancers, DNS, IAM Policies

PROFESSIONAL EXPERIENCE

DevOps Engineer (AWS Support Analyst – DevOps) — RailEurope

Sep 2025 – Present

- Own and extend CI/CD pipelines in Jenkins and GitHub Actions across 8 microservices, shipping 3–5 production deployments per week to AWS EKS with zero manual gate approvals.
- Lead incident response and root cause analysis for production outages — triaging alerts in Opsgenie, correlating signals across Prometheus and Grafana, and cutting MTTR by 40% versus the baseline inherited at role start.
- Maintain a 99.9% uptime SLA for raileurope.com through layered observability across ELK Stack and CloudWatch, catching degradation before it reaches customers.
- Provision and manage cloud infrastructure via Terraform and Ansible, replacing ad-hoc manual changes with version-controlled, peer-reviewed IaC.
- Run containerized workloads for 8 services on Docker and Kubernetes (EKS), managing rolling deployments and horizontal pod autoscaling through demand spikes.

DevOps Engineer (Software Engineer – DevOps) — FynTune Solutions

Apr 2023 – Aug 2025

- Built AWS staging and production environments from scratch and wired them into Jenkins CI/CD pipelines, replacing manual SSH deployments with push-button releases.
- Containerized monolithic insurance applications with Docker and migrated them to AWS EKS for platforms including paytminsurance.co.in and bajajcapitalinsurance.com, enabling independent service scaling and lower cost per request.
- Built observability from zero using Prometheus, Grafana, and ELK Stack — custom per-service dashboards and SLA-tied alert thresholds cut time-to-detect for performance regressions from hours to minutes.
- Cut deployment time by 60% by migrating release steps from manual runbooks into Terraform-managed infrastructure and Ansible playbooks.
- Owned production operations for heroinsurance.com, bajajcapitalinsurance.com, and paytminsurance.co.in — high-traffic platforms in a regulated industry where deployment errors carry direct compliance risk.

PROJECTS

End-to-End MLOps Pipeline — Churn Prediction

github.com/ajinkyatha/mlops-pipeline

- Built a full MLOps lifecycle with MLflow experiment tracking and model registry, a CI quality gate (GitHub Actions) that blocks promotion of models below accuracy/F1 thresholds, and containerized FastAPI serving on Kubernetes.
- Added production model monitoring — Evidently data-drift detection wired to a scheduled job that auto-opens a retraining ticket on drift, with Prometheus/Grafana tracking p95 inference latency and prediction-distribution shift.

- Delivered on 100% free / open-source tooling (MLflow, Evidently, k3s, GHCR), reaching ROC-AUC 0.87 on the served model.

AIops Sentinel — AI-Augmented GitOps Pipeline

github.com/aiinkyatha/aiops-sentinel

- Built an AI-powered DevSecOps gate in GitHub Actions where an LLM reviews Trivy, Checkov, and TruffleHog scan output alongside Terraform/Kubernetes diffs on every PR, auto-commenting security risks and fixes before merge.
- Deployed an AIops incident copilot using k8sgpt and a custom LLM agent that correlates Prometheus alerts with pod logs into plain-English root-cause analysis, cutting triage time on injected failures from ~15 minutes to under 2.

GitOps Pipeline with ArgoCD

github.com/aiinkyatha/gitops-pipeline-argocd

- Replaced manual kubectl deployments with ArgoCD-managed GitOps — every Kubernetes change flows through a Git PR with a full audit trail and one-click rollback.
- Authored a reusable Helm chart library (app-of-apps) cutting new-service onboarding from days to under an hour via auto-sync and self-healing configs.

EDUCATION

MCA — Master of Computer Applications, ASM Institute

2022 – 2024

BCA — Bachelor of Computer Applications, Tilak Maharashtra Vidyapeeth

2018 – 2021

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate (*In Progress*)