

Pramod Tidke

DevOps Engineer | AWS | Kubernetes | GitOps | CI/CD | Terraform

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PROFESSIONAL SUMMARY

DevOps/Cloud Engineer with hands-on experience building production-grade systems end-to-end. Designed and open-sourced 4 projects spanning DevSecOps CI/CD pipelines, AWS infrastructure-as-code, Kubernetes observability, and GitOps delivery. Targeting DevOps Engineer, Cloud Engineer, and SRE/Platform Engineer roles.

TECHNICAL SKILLS

CI/CD & GitOps GitHub Actions, Jenkins, GitLab CI/CD, ArgoCD, Flux	Containers & Orchestration Docker, Kubernetes, Helm, OpenShift, ECS Fargate
Cloud (AWS) EC2, ECS, S3, IAM, VPC, Lambda, Auto Scaling, CloudWatch	Infrastructure as Code Terraform (remote state, multi-env), Ansible
DevSecOps Trivy, GitLeaks, SAST, secrets scanning, image hardening	Monitoring Prometheus, Grafana, OpenTelemetry, distributed tracing, alerting
Languages & Scripting Python, Bash, YAML, Groovy	Databases & OS MySQL, MongoDB Linux (primary), Windows, macOS

DEVOPS PORTFOLIO PROJECTS

SecureFlow-CI – DevSecOps CI/CD Pipeline

github.com/pramodtidke/SecureFlow-CI

Tech Stack: GitHub Actions, Docker, Python, Trivy, GitLeaks

- Designed a 5-stage CI/CD pipeline (lint → build → security scan → image push → deploy), reducing release cycle time from ~25 min to under 4 min with zero manual steps.
- Integrated Trivy vulnerability scanning and GitLeaks secrets detection; caught 3 critical CVEs and 2 hardcoded secrets before reaching production.
- Containerised app with a hardened Docker image (~180 MB), automated build and push to Docker Hub on every merge to main.
- Reduced manual deployment effort by ~65%, improving release consistency across environments.

InfraStack-AWS – Multi-Environment Cloud Infrastructure

github.com/pramodtidke/InfraStack-AWS

Tech Stack: Terraform, AWS (EC2, ECS Fargate, S3, IAM, VPC), GitHub Actions

- Provisioned 12+ AWS resources (VPC, subnets, EC2, ECS Fargate, IAM roles, S3) across dev and prod using Terraform, reducing manual setup time by ~80%.
- Deployed containerised app on ECS Fargate with auto-scaling (2–6 tasks) and health checks, handling 3x traffic spikes with zero downtime.
- Implemented remote state management using S3 backend with DynamoDB locking; eliminated state conflicts across team workflows.
- Integrated Terraform plan and apply into GitHub Actions pipeline — infrastructure changes reviewed on PR, applied on merge.

ObserveX – Kubernetes Monitoring & Observability Platform

github.com/pramodtidke/ObserveX

Tech Stack: Kubernetes, Prometheus, Grafana, OpenTelemetry, Docker, Helm

- Deployed a 3-service microservices app on Kubernetes (Deployments, Services, ConfigMaps, HPA), maintaining 99.9% uptime in local cluster environment.
- Configured Prometheus and built 4 Grafana dashboards covering CPU, memory, request rate, and error rate; implemented 6 alerting rules with Alertmanager routing.
- Integrated OpenTelemetry for distributed tracing across all services; reduced mean debug time from ~15 min to ~3 min for simulated incidents.
- Packaged the full monitoring stack as a Helm chart for one-command deployment.

GitOps-K8s – Kubernetes GitOps Delivery Platform

github.com/pramodtidke

Tech Stack: ArgoCD, Kubernetes, Helm, GitHub Actions, Docker

- Implemented a GitOps delivery pipeline using ArgoCD — every Git commit auto-syncs to Kubernetes within 90 seconds, eliminating manual kubectl deployments.
- Managed 3 environments (dev, staging, prod) using Helm chart overlays and ArgoCD ApplicationSets.

- Reduced deployment lead time from ~12 min (manual kubectl) to ~90 seconds; configured RBAC, health checks, and rollback policies.
- Simulated and recovered from 3 failure scenarios (bad image, config drift, OOM kill) with full CI/CD + GitOps loop operational end-to-end.

PROFESSIONAL EXPERIENCE

Software Engineer – Release & Platform Engineering

Mar 2022 – Nov 2023

Capgemini Technology Services Pvt Ltd, Navi Mumbai | Client: Panasonic Automotive Systems (Linux-based IVI Platform)

- Coordinated build and release pipelines across dev, integration, and release branches for a Linux-based automotive IVI platform used across 5+ vehicle programs.
- Performed log analysis and root-cause debugging across 6+ Linux system modules (kernel logs, process management, environment config), reducing average defect resolution time by ~30%.
- Managed end-to-end defect lifecycle for 100+ test cases per release cycle, collaborating with 3 cross-functional teams (firmware, middleware, QA).

Freelance – Digital Marketing & DevOps Transition

Dec 2023 – Present

Independent / Self-directed

- Built and operated a client-facing digital marketing agency (Facebook & Google Ads, web design) serving US-based clients while concurrently self-studying DevOps.
- Designed and open-sourced 4 production-grade DevOps projects covering CI/CD security pipelines, AWS IaC, Kubernetes observability, and GitOps delivery.
- Pursuing AWS Certified Solutions Architect – Associate, CKA, and HashiCorp Terraform Associate certifications.

EDUCATION

Bachelor of Engineering – Computer Science

2020

G. H. Rasoni Institute of Engineering & Technology, Nagpur