Aditya Bhadauriya

DevOps & Cloud Platform Engineer

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Technical Skills

Languages & Frameworks	Python, Bash/Shell Scripting, Django, FastAPI, Frappe
Cloud & DevOps	AWS, Kubernetes, Terraform, Docker, Helm, ArgoCD, Jenkins, GitHub Actions, Git, CI/CD, NGINX Ingress
Observability	Datadog, Prometheus, Grafana, OpenTelemetry, AWS CloudWatch
Databases & Architecture	PostgreSQL, Redis, SQL, REST APIs, Microservices, Event-Driven Architecture, AWS SQS/SNS, AWS RDS, AWS Aurora

Experience

Independent DevOps Engineer Jan 2026 – Present
Clients: Trade360 AI, Oscillix

- **GitOps & Cloud Provisioning:** Provisioned **AWS EKS** infrastructure using **Terraform** across 3 environments, managing 20+ Kubernetes resources; established continuous delivery with ArgoCD, GitHub Actions, and **Kubernetes**, achieving 99.9% uptime.
- **Trade Execution Service:** Engineered 5+ production FastAPI services integrating Angel One APIs for real-time market-data streaming, trade execution, and authentication.
- **Observability:** Integrated end-to-end **Datadog APM**, **metrics**, and **log pipelines** for real-time monitoring and incident diagnosis across production workloads.
- **ERP Customization & Deployment:** Customized Frappe/ERPNext modules for Oscillix and automated deployments to AWS Lightsail using Linux and Docker.

Software Engineer Jan 2025 – Sep 2025
Tanish Analytics Pvt. Ltd. *Engineering Consultant serving enterprise clients including Tensteps Technologies & AIC-Prestige*

- **Infrastructure Modernization:** Migrated application workloads to **EKS** and implemented **Terraform IaC** for an e-commerce client.
- **DevSecOps Pipeline Security:** Strengthened CI/CD quality gates by integrating **SonarQube** code analysis and **Trivy** vulnerability scanning.
- **AI-Driven Banking Microservice:** Developed a GRC (Governance, Risk Management, and Compliance) **RAG microservice** for banking clients using FastAPI, **Gemini API**, and GraphDB for complex data retrieval.
- **Shared SDK & Standardization:** Authored and published a standardized **Python utility package** across backend microservices, embedding **OpenTelemetry** instrumentation, custom exception handling, request validation, and structured **Loguru logging**.
- **Reporting Microservice:** Designed high-throughput financial/reporting microservices integrated with contract workflows across multi-company engagements.

Software Developer May 2024 – Jan 2025
M-ideas

- **Cloud-Native Application Platform:** Engineered a custom task and file-management platform with Django; managed **AWS RDS, Lambda, S3, Docker, and Kubernetes** using **Helm** and **Terraform**.
- **Event-Driven Architecture:** Integrated **AWS SQS and SNS** to decouple asynchronous background jobs and power real-time automated notifications.
- **Observability:** Implemented **Datadog** distributed tracing, custom system metrics, and log aggregation, resulting in a **50% increase in positive feedback** and **20% reduction in complaints**.

Software Developer Oct 2022 – Apr 2024
Money Bloom

- **Distributed Async Engine:** Engineered a high-performance Django reporting engine for Bluechip India (mutual fund and insurance client), using **Celery and Redis** to process asynchronous financial-data streams.
- **On-Prem Kubernetes & Automation:** Architected automated **Jenkins CI/CD pipelines** to deploy containerized services onto production Kubernetes clusters.
- **System Monitoring & ERP Customization:** Built customized **Prometheus and Grafana** alerting systems and updated core **Frappe/ERPNext** workflows for Aluflouride Ltd.

Projects

Open Source Contribution – Frappe Framework

- Contributed a merged fix to the Frappe Framework (**PR #33680**, backport **#33674**), strengthening data integrity and consistency for **500+ enterprise users**. **GitHub-Link**,

Hyper-Scale-Ops

- **Problem:** Eliminated manual deployments, configuration drift, and inconsistent release workflows by engineering a production-inspired cloud-native application delivery platform.
- **Execution:** Automated the software delivery lifecycle using **GitHub Actions, Docker, Kubernetes, and Helm** with reusable environment-specific deployments, NGINX Ingress, TLS, PostgreSQL, and Datadog integration.
- **Impact:** Enabled reproducible zero-downtime deployments through declarative **Terraform** and Kubernetes Rolling Updates, supported by architecture, CI/CD, and deployment documentation.
- **Project-GitHub-Link**, **Helm-Repo-GitHub-Link**, **Live-Demo-Link**, **Datadog-Link**, **Design-Document-Link**

AIOps Linux Debug Assistant

- Built a **Generative AI-powered AIOps assistant** to reduce manual Linux troubleshooting and infrastructure-diagnostic effort.
- Developed a modular **Python CLI** to collect Linux metrics, Docker statistics, logs, processes, and network diagnostics; used a local LLM through an OpenAI-compatible API to generate root-cause analysis and remediation commands.
- Automated incident analysis with AI-generated recommendations, reducing debugging time by **25%** and establishing a foundation for future agentic, self-healing infrastructure. **GitHub-Link**

Education

RGPV Bhopal 2016
Electrical and Electronics Engineering, BE