

Aditya Bhadauriya

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SKILLS

- Python, Bash/Shell Scripting, Django, Fast API, GitHub, Linux/Unix, Git, Docker, REST API, Jenkins, CI/CD, Kubernetes, AWS, PostgreSQL, SQL, GitHub Actions, Prometheus, Datadog, Grafana, OpenTelemetry, Microservices, Terraform, Agentic AI, Generative AI, AIOps, Frappe/ERPNext

EXPERIENCE

Independent Software Engineer Jan 2026 - Present

Clients: Trade360 AI, Oscillix

- Built scalable **FastAPI** backend services for **Trade360 AI**, integrating **Angel One APIs** for trade execution, real-time market data, and user authentication.
- Containerized applications with **Docker** and automated deployments to **AWS ECS Fargate** using **GitHub Actions** CI/CD.
- Customized **Frappe/ERPNext** modules for **Oscillix** and deployed applications on **AWS Lightsail (Linux)** using **Docker** and **Jenkins** CI/CD.

Software Engineer Jan 2025 - Sep 2025

Tanish Analytics Pvt. Ltd.

- Developed **FastAPI** microservices using **PostgreSQL**, **Pydantic**, and **Jinja2** for clients, including **Tensteps Technologies** and **AIC-Prestige**.
- Built **Jenkins** and **GitHub Actions** CI/CD pipelines to deploy **Docker** applications on **AWS ECS** and **DigitalOcean**.
- Implemented **OpenTelemetry**, **Datadog**, **Prometheus**, **Grafana**, and **Okta SAML SSO** to enhance observability, monitoring, and application security.

Software Developer May 2024 - Jan 2025

M-ideas

- Backend Development:** Spearheaded the development of a custom task management platform using **Django** and a **Managed PostgreSQL Database on AWS**, optimizing application logic and internal workflows.
- CI/CD & Containerization:** Engineered **Jenkins** pipelines to containerize the Django application via **Docker** and orchestrate deployments onto **AWS ECS**.
- Event-Driven Architecture:** Integrated AWS SQS and AWS SNS message queues to efficiently handle heavy asynchronous background tasks and optimize high-throughput, real-time automated notification delivery systems.

Software Developer Oct 2022 - Apr 2024

Money Bloom

- Backend:** Engineered a high-performance Django reporting engine for *Bluechip India*, integrating **Celery** and Redis to process financial data asynchronously.
- On-Prem Container Orchestration:** Architected **Jenkins** CI/CD pipelines utilizing **Bash/Shell Scripting** to deploy **Docker** containers across production **Kubernetes (K8s)** clusters on **Linux** servers, while setting up **Prometheus** and **Grafana** for alerting.
- Auction Systems & ERP Delivery:** Developed a real-time reverse auction engine using Python, while customizing core **Frappe/ERPNext** modules to optimize internal workflows for *Alufouride Ltd.*

PROJECTS

Open Source Contribution in Frappe Framework

[🔗 Link](#)

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

Hyper-Scale-Ops

[🔗 Link](#)

- Problem & Objective:** Eliminated manual deployments, configuration drift, and inconsistent release workflows by engineering a production-inspired cloud-native application delivery platform.
- Execution:** Automated the complete software delivery lifecycle using GitHub Actions, Docker, Kubernetes, and Helm with reusable environment-specific deployments, NGINX Ingress, TLS, PostgreSQL, OpenTelemetry, and Datadog integration.
- Impact:** Enabled reproducible zero-downtime deployments through declarative Infrastructure as Code and Kubernetes Rolling Updates while producing comprehensive architecture, CI/CD, and deployment documentation that mirrors production engineering practices.
- [Datadog -Dashboard](#) | [Live-Demo](#) | [Documentation](#)

AIOps Linux Debug Assistant

[🔗 Link](#)

- Problem:** Reduced manual Linux troubleshooting by building a **Generative AI** powered **AIOps** assistant for infrastructure diagnostics.
- Execution:** Developed a modular Python CLI to collect Linux metrics, Docker statistics, logs, processes, and network diagnostics, then leveraged a local LLM through the OpenAI-compatible API to generate root-cause analysis and remediation commands.
- Impact:** Automated incident analysis with AI-generated recommendations, accelerating Linux debugging and providing a foundation for future **Agentic AI** driven self-healing infrastructure.

ACHIEVEMENTS

- Secured 2nd runner-up position in paper presentation at IIT BHU, Varanasi.
- Awarded best paper presentation in an international conference at ITM University, Gwalior.
- Selected for national model-making competition at PDPU, Gandhinagar and received funding from Gujarat Power Corp. Ltd.
- Student Ambassador for National Students' Space Challenge, IIT Kharagpur for Gwalior Region.

EDUCATION

RGPV Bhopal

BE/B.Tech/BS