

Aditya Kale

DevOps Engineer

📞 +91 8668592567 adityakale732@gmail.com 🏠 Pune, Maharashtra
🌐 [in/profile](#) 🐙 [github.com](#) ✉️ [Aditya.profile](#)

Summary

DevOps Engineer with 3+ years of experience in designing and deploying scalable cloud architectures with a focus on automation and efficient workflows. Expertise in leveraging AWS services (EKS, EC2, S3, ELB, VPC) for cloud infrastructure management and Python for developing automation scripts, web applications, and ALM tool automation using JIRA REST API. Skilled in containerization with Docker and Kubernetes, and implementing monitoring solutions with Grafana, Prometheus.

Recently led end-to-end development of a custom AI chatbot using Vertex AI, from model selection and prompt engineering to full-stack deployment. Built AI-driven tools and agents for automated test case generation, code review, and requirements analysis enhancing efficiency in automotive AUTOSAR projects.

Professional Experience

Software Engineer, ([REALTHINGS](#))

Maharashtra-Pune, India 07/2022 - Present

- Managed and deployed web applications and DevOps tools for CI/CD pipelines using orchestration platforms.
- Oversaw cluster management and implemented monitoring and alerting systems in hybrid environments. [Multi-Cluster Monitoring using Grafana and Prometheus](#).
- Developed robust, scalable, and production-ready Flask web applications, implementing secure and efficient API endpoints for seamless integration with frontend systems and third-party services.
- Reduced infrastructure costs by 50% and build times by 80% through AWS and On-prem hybrid clusters.
- Migrated containerized services from Docker Swarm to Amazon EKS, building the Kubernetes cluster from scratch to enhance scalability, performance, and reliability.
- Designed and implemented REST APIs in Python for integration with ALM tools like JIRA, streamlining workflows and improving team collaboration.
- Developed and deployed monitoring of code quality metrics such as code coverage and test cases using Grafana, InfluxDB, and Jenkins. [Code Quality Metrics in Grafana](#).
- Created custom Python tools to automate complex tasks, including code generation, data processing, and clean-up scripts, helping internal teams optimize their workflows and improve productivity.
- Initiated and led a Proof of Concept (PoC) in Generative AI—from model selection to evaluation—using advanced prompt engineering to identify the most suitable LLM for the specific Automotive use case.
- Designed and deployed a custom, private chatbot using Vertex AI. Managed complete frontend and backend integration, ensuring secure and seamless interaction across internal systems. [Openwebui with vertex AI](#).
- Leveraged Google's Vertex AI and Lovabale to create specialized AI tools that assist the team in generating test cases and analyzing requirements, Fix Misra Violation significantly improving efficiency and reducing manual effort.

Cofounder and CTO, ([TrendingDoors](#))

Nashik, India 2018 - 2021

- Developed an Android-based platform connecting local vendors with customers.
- Managed end-to-end development and deployment of the application.

Online Courses & Certifications

- AWS Certified Solutions Architect - Associate (SAA-C03) ([Link](#))
- Docker Mastery: with Kubernetes + Swarm - Docker Captain - Udemy
- Python Masterclass - OOPs - Udemy
- MATLAB-Simulink (MBD) - Skill-Lync
- ChatGPT Prompt Engineer - Udemy
- Ethical Hacking - Udemy

Education

MS in Electrical Vehicle *Skill-Lync*

Bangalore, India 2021-2022

Specialized in Design and analysis of Electrical Vehicle.

BE in Electrical Engineering *RH Sapat College of Engineering*

Nashik, India 2016-2020

Core Subjects: Electrical Engineering.

Skills

- **Data Visualization & Monitoring:** Grafana, Prometheus, Loki
- **Programming:** Python, MATLAB-Simulink
- **Containerization:** Docker Swarm, Kubernetes
- **CI/CD & Automation:** Terraform, Ansible, Jenkins, GitHub Actions
- **Cloud Platforms:** AWS (EKS, EC2, S3, ELB, VPC)
- **APIs:** JIRA Rest-API, Webhooks, FastAPI
- **Tools:** ASPICE, PostgreSQL, Jfrog, Bitbucket, Github, InfluxDB
- **AI Tools:** Google (Vertex AI), Ollama, ADK (Agent Development Kit), Open WebUI, Lovable
- **Soft Skills:** Analytical Thinking, Teamwork, Adaptability

Achievements

- Designed and developed a comprehensive CI/CD platform from scratch, streamlining the deployment pipeline and improving development efficiency.
- Mentored and trained junior engineers on container orchestration technologies, enhancing team skills and accelerating project delivery.
- Recognized for implementing quality gates for Python code and establishing coding guidelines, resulting in improved code quality and maintainability.
- Acknowledged for taking on the role of Scrum Master and representing the team in customer-facing meetings, ensuring smooth project execution and client satisfaction.

Websites

- <https://aditya.profile.opsbox.in/>
- <https://www.linkedin.com/in/aditya-kale-8aaa26197/>
- <https://adityakale732.medium.com/>
- <https://github.com/adimavic/>