

Ajinkya R. Sawant

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PROFILE

DevOps & Cloud Engineer with 4+ years of experience specializing in CI/CD, container orchestration, Cloud infrastructure, DevSecOps solutions. Proven track record in optimizing secure deployments, enforcing DevSecOps practices, and infrastructure automation initiatives in regulated, compliance-driven environments.

TECHNICAL SKILLS

Cloud Platforms: Google Cloud Platform (GKE, Pub/Sub, Cloud Storage, VPC, IAM), AWS, Azure

CI/CD & DevOps: Jenkins, ArgoCD, GitHub Actions, Git, GitLab CI, Nexus, Helm, Terraform, Ansible

Containers & Orchestration: Docker, Kubernetes (GKE, EKS), OpenShift, Rancher

Scripting & Automation: Bash, Python, Groovy (Jenkins), Shell, YAML

Security & Observability: DevSecOps(Snyk, SonarQube, Mend) SAST, Prometheus, Grafana, Azure Monitor, ELK, Splunk

Databases: MongoDB (Cluster Ops), PostgreSQL, Oracle

WORK EXPERIENCE

Systems Ltd, Pune

Jan 2021 – Present

Lead Software Engineer

Jul 2024 – Present

- Engineered a scalable CI/CD pipeline integrating security scanners and ArgoCD, reducing deployment lead time by 32% while ensuring compliance and operational visibility.
- Worked on Security, Observability and Performance of app and managing CI/CD with SAST and SCA tool with Mend and SonarQube within cross-functional Dev/QA/Performance environments
- Developed and managed end-to-end MLOps pipelines using Google Vertex AI and Kubeflow, focusing on optimizing model accuracy and production readiness.
- Worked in projects aligned with FDA/GxP compliance and life sciences validation processes. Maintained rigorous audit trails and deployment change controls.

Senior Software Engineer

Jul 2023 – Jun 2024

- Deployed and operated containerized applications on Kubernetes with helm and ArgoCD for core products. Automated security and observability with Grafana and Prometheus
- Reduced container image size by 40%, improving deployment speed, cloud costs and reduction in overall footprint
- Implemented proactive monitoring and cost optimization strategies using Stackdriver, Prometheus, and Grafana.
- Implemented a configurable caching system with performance tuning and MongoDB clusters for DAM asstes and GENAI features

Software Engineer

Jul 2021 – Jun 2023

- Created installer bundles and deployment scripts for customer-specific environments across Dev, QA, Validation, and Production. Ensured compliance with regulated release cycles.
- Contributed to new features and CVE remediation for IBM Cloud Pak for Data.
- Built CI/CD pipelines with Jenkins and Ansible for microservices-based systems with and Nexus for artifact delivery.reducing manual deployment efforts by 70%.
- Participated in the Cloud Accelerator program enhancing DevOps support workflows.

Intern

Jan 2021 – Jul 2021

- Completed training in Python and Azure Cloud fundamentals.
- Built a University Management System with integrated database services.

PROJECTS

- AutoScan:** Created pipeline for the scanning of dependencies of the project, reduced the risk of vulnerability exploitation by 50%. Based on Docker Images static scanning and scan all jars, packages, IaC and k8 configuration Addition of performance and Efficiency check for Docker image. Later, it was released as VS-Code Extension for internal usage
- 3D Digital Twin MLOps Pipeline:** Developed a proof-of-concept (PoC) for real-time 3D Digital Twin generation using NVIDIA Instant-NGP, Apple's Depth Anything V2, Hugging Face, and Nerfstudio. Designed an MLOps pipeline for automated depth estimation, NeRF-based 3D reconstruction, and live model updates from RGB camera feeds on GPU-enabled infrastructure.
- Smart building using IOT and Cloud-Central System:**Centralized cloud-based dashboards (Grafana, Prometheus) manage IoT devices and health monitoring. Reduced costs by 60% Serverless deployment on Google Cloud

EDUCATION

Birla Institute of Technology And Science - Pilani
Master of Technology in Cloud Computing

CGPA: 8.37
Jul 2023- May 2025

RIT
Bachelor of Technology in Computer Science and Engineering

CGPA: 8.0
Jul 2017 - May 2021

CERTIFICATIONS

- Google Cloud Professional Cloud Architect
- Google Cloud Associate Cloud Engineer
- Google Cloud Cloud Digital Leader
- Microsoft Certified: Azure Fundamentals
- MongoDB M103: Cluster Administration

AWARDS

- Top Talent for FY24
- Best Innovative Idea to scale BU Business
- Top Talent for FY23
- Team Achievement Award FY23
- AWS Machine Learning Scholarship