

SUDARSHAN GAWANDE



DEVOPS ENGINEER (AWS CERTIFIED CLOUD PRACTITIONER | CLOUD INFRASTRUCTURE & DEVSECOPS)

Dynamic and results-driven DevOps Engineer with expertise in cloud infrastructure, CI/CD automation, and DevSecOps practices. Skilled at integrating security into development workflows to ensure compliance and enhance operational efficiency. In pursuit of challenging opportunities to contribute technical skills and innovative solutions within a forward-thinking organization.

EDUCATION

PG Diploma in Advanced Computing

CDAC, Mumbai, Mar'22 – Sept'22

Percentage: 72.63%

B.Tech. in Electronics & Telecommunication

Government College of Engineering, Jalgaon
2016 – 2021

CGPA: 7.41/10

CORE COMPETENCIES

- DevOps Deployment
- DevSecOps & Security Automation
- Software Development Lifecycle (SDLC)
- Cloud Infrastructure Design
- Infrastructure as Code (IaC) Automation
- Containerization & Orchestration
- Continuous Integration & Continuous Deployment (CI/CD)
- Microservices Architecture
- Configuration Management
- Security Compliance
- Vulnerability Management
- Monitoring, Logging & Observability
- Application & Infrastructure Performance Tuning
- Version Control

SOFT SKILLS

- Cross-functional Collaboration
- Detail-Oriented & Analytical Skills
- Effective Communication
- Time Management
- Problem-Solving

TECHNICAL SKILLS

- **Cloud & Infrastructure as Code (IaC):** AWS (EC2, S3, RDS, VPC, Lambda, IAM, EKS), Terraform, CloudFormation, Ansible
- **CI/CD & DevOps Tools:** Jenkins, Git, GitHub, Bitbucket, Maven, Gradle, Nexus, JFrog Artifactory
- **Security & DevSecOps:** SonarQube, JFrog Xray
- **Containerization & Orchestration:** Docker, Kubernetes (EKS), Helm
- **Monitoring & Logging:** Prometheus, Grafana, ELK Stack (Elasticsearch, Logstash, Kibana), CloudWatch
- **Scripting & Programming Languages:** Bash, Shell Script, Groovy, Java (Spring Boot)

PROFILE SUMMARY

- 3+ years of experience in the financial services sector, working with a leading Fortune 500 company, specializing in the adoption of DevOps practices and management of cloud infrastructure.
- Currently working as DevOps Engineer at the National Stock Exchange of India, focusing on optimizing deployment processes and implementing robust security measures across multiple Microservices.
- Developed expertise in cloud platforms, infrastructure automation, and CI/CD pipelines, consistently improving deployment speed and enhancing system stability.
- Possesses in-depth knowledge of security automation tools and best practices, resulting in a measurable reduction in vulnerabilities and compliance with industry standards.
- AWS Certified Cloud Practitioner with knowledge of cloud architecture, security, billing, and operational best practices, strengthening expertise in cloud-native technologies and IaC-driven provisioning.

WORK EXPERIENCE

DevOps Engineer (System Analyst)

National Stock Exchange of India Ltd., Mumbai

December 2022 – Present

Key Responsibilities:

- Led automation of CI/CD pipelines, reducing deployment time from 2 hours to 1.2 hours, improving release frequency and reliability.
- Integrated DevSecOps tools such as SonarQube and JFrog Xray into the SDLC, resulting in a 50% reduction in critical security vulnerabilities.
- Applied Infrastructure as Code (IaC) using Ansible playbooks to automate 90% of cloud provisioning tasks, minimizing manual efforts and ensuring consistent deployments.
- Managed artifact repositories with JFrog Artifactory and Nexus, streamlining dependency management and decreasing version control errors by 30%.
- Optimized Nginx configurations to enhance application performance, achieving a 20% improvement in page load times and user experience.
- Developed & maintained a Spring Cloud Config Server for managing environment-specific configurations, reducing manual errors and improving deployment accuracy by 15%.
- Collaborated with cross-functional teams to align development and security goals, promoting DevOps best practices and continuous integration standards.

Highlights:

- Successfully reduced deployment time by 40%, enabling the organization to achieve more agile response to market demands & customer needs.
- Played a pivotal role in achieving 90% compliance with NIST security standards by integrating security tools into the development pipeline.
- Automated Oracle database deployments with Jenkins and Ansible Tower, incorporating SQL validation, rollback, and release tracking, reducing errors by 35% and accelerating delivery by 20%.

PROJECTS

Build/Deployment Automation Pipeline

Tech Stack: Jenkins, JFrog Artifactory, SonarQube, Ansible

- Developed and optimized a CI/CD pipeline supporting 100+ deployments per month, reducing manual intervention by 80% and improving software release time by 35%.
- Integrated SonarQube for code quality & JFrog Artifactory for artifact management, to ensure consistent builds.
- Improved dependency management, cutting build failures by 40% and boosting deployment stability

End-to-End Cloud CI/CD System

Tech Stack: AWS, EKS, Docker, Terraform, Prometheus

- Designed cloud-native CI/CD pipeline utilizing Jenkins, Docker & Amazon EKS, resulting in 40% faster deployments & 35% reduction in deployment failures through artifact management with JFrog Artifactory.
- Automated provisioning of scalable Kubernetes Microservices on EKS using Terraform and Ansible, decreasing downtime by 40% and boosting operational efficiency by 35%.
- Implemented centralized monitoring and observability solutions with Prometheus, Grafana, and the ELK Stack, enabling real-time performance tracking and issue detection.

CERTIFICATIONS

- **AWS Certified Cloud Practitioner** – Amazon Web Services, 2026
- **CI/CD Pipeline with Jenkins, Docker, Kubernetes & GitHub**, Udemy, 2025
- **Git Workflows – LinkedIn Learning**, Udemy 2025

PERSONAL DETAILS

Date of Birth: 27th March 1999

Languages Known: English, Hindi & Marathi

Enterprise-Grade Infrastructure Automation with Terraform & AWS [↗](#)

Tech Stack: Terraform, AWS (EC2, S3, IAM), GitHub Actions, Prometheus, Grafana, Docker

- Designed modular, secure AWS infrastructure using Terraform with reusable modules, leveraging remote state management via S3 & DynamoDB & environment-specific workspaces for clean separation.
- Built CI/CD pipelines using GitHub Actions for provisioning, Dockerized deployments, and EC2 lifecycle management.
- Enabled EC2 observability via Prometheus exporters and custom Grafana dashboards for real-time insights.
- Improved provisioning speed by 60% while enforcing IAM best practices and automated SSH key rotation.

Infrastructure Automation & CI/CD Deployment Using Ansible [↗](#)

Tech Stack: Ansible, Jenkins, Git, Nginx, Tomcat, MySQL, YAML, Ansible Vault

- Automated provisioning and configuration of Nginx, Tomcat, and MySQL across Dev, UAT, and Prod using modular Ansible roles.
- Secured sensitive data with Ansible Vault; maintained idempotent playbooks aligned with Ansible Galaxy best practices.
- Integrated Jenkins CI/CD for deployment automation with rollback via pre-deployment backups.
- Implemented structured health checks and logging for reliable post-deployment validation.

ACHIEVEMENTS

- Contributed to 60% increase in deployment stability by optimizing artifact management processes and reducing build failures.
- Achieved reduction in manual provisioning efforts, resulting in 75% increase in team productivity & improved resource allocation efficiency.
- Delivered remarkable 65% decrease in critical vulnerabilities through integration of security tools within development lifecycle, ensuring compliance with industry standards & enhancing overall system security.