

SANJANA RAUT

DEVOPS ENGINEER

CONTACT



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sanjanaraut.com

SKILLS

- AWS
- DevOps
- Jenkins
- GitHub
- Linux
- Docker
- Kubernetes
- CICD
- Terraform
- Rout53
- EC2
- S3
- Cloud Watch
- VPC
- Cloud Front
- EBS
- AutoScalling
- Security Group
- NACL
- JIRA

LANGUAGES

PROFESSIONAL SUMMARY

- DevOps Engineer with hands-on experience in designing, deploying, and managing scalable cloud infrastructure on AWS, including EC2, S3, VPC, Elastic Load Balancer, Auto Scaling, CloudFront, Route 53, CloudWatch, Security Groups, NACLs, and EBS. Proficient in implementing CI/CD pipelines using Jenkins, GitHub, and Groovy scripting. Skilled in containerization with Docker and container orchestration using Kubernetes. Strong background in Linux server administration, system monitoring, and troubleshooting. Experienced in Agile methodologies with project tracking and workflow management using JIRA.

PROJECTS

PROJECT 1

Sevadeep NGO website

- Designed and implemented **CI/CD deployment pipelines** using **Jenkins** with **Groovy scripted pipelines** to automate build, test, and deployment processes.
- Configured **AWS services** including **EC2, Load Balancer, CloudWatch, Security Groups, Elastic IPs, and NACL** to improve **system availability, scalability, and security**.
- Containerized applications using **Docker**, managed container images on **DockerHub**, and executed seamless deployments through **CI/CD pipelines**.
- Integrated **GitHub** for source code management with automated **webhooks** to enable **continuous integration and version control**.
- Monitored and optimized system performance using **AWS CloudWatch**, identifying and resolving issues proactively.
- Automated **infrastructure provisioning** and application deployment in **Linux environments**, ensuring **high scalability, reliability, and fault tolerance**.

PROJECT 2

Portfolio

- Designed, developed, and deployed a **portfolio website on AWS Cloud** ensuring high availability, scalability, and global accessibility.
- Implemented **AWS services** including **EC2, Elastic Load Balancer, S3 (static hosting), Route53 (DNS management), Security Groups, Elastic IPs, and NACLs** for secure and reliable infrastructure.
- Built and managed a **CI/CD pipeline in Jenkins** using **Groovy scripts** to automate continuous integration, delivery, and deployment.

- **English, Hindi, Marathi**
Intermediate

- Containerized applications with **Docker**, published images to **DockerHub**, and deployed containers on **AWS EC2 instances**.
- Configured **AWS CloudWatch** for real-time monitoring, logging, and performance tracking of applications.
- Strengthened deployment security and resilience by configuring **AWS networking components** and administering **Linux-based servers**.

PROJECT 3

Hostel Management Syaytem

- Designed and deployed **3-Tier Architecture (Presentation, Application, Database layers)** on **AWS Cloud**, ensuring modular, scalable, and highly available system design.
- Implemented **Kubernetes (EKS)** for **container orchestration**, achieving automated scaling, load balancing, and high fault tolerance across **microservices**.
- Utilized **AWS services** including **EC2, Elastic Load Balancer, S3, Route 53, CloudWatch, Security Groups, Elastic IP, and Network ACLs** for infrastructure automation and reliability.
- Built and maintained **CI/CD pipelines** using **Jenkins (Groovy scripting)** integrated with **GitHub**, enabling automated builds, testing, and deployment.
- Managed **containerized applications** with **Docker**, deploying and maintaining private container images on **DockerHub**.
- Configured **Linux-based environments** for secure application deployment, networking, and inter-tier communication.
- Improved **system monitoring and performance optimization** through **AWS CloudWatch dashboards, alarms, and proactive alerting**.

EDUCATION

March 2025

BBA (Computer Application) GPA 8.40

BBA (Computer Application), Savitribai Phule Pune University

March 2022

HSC

Bhairavnath HighSchool, Bhigwan