

**Career Objective:**

DevOps Engineer with **5+ years** of IT experience, specializing in designing and optimizing CI/CD pipelines for both legacy and container-based applications within Agile environments. Skilled in leveraging IaaS, PaaS, SaaS, and cloud infrastructure to drive automation, enhance system reliability, and accelerate software delivery. Seeking to contribute to a forward-thinking organization by streamlining operations and enabling continuous innovation.

**Professional summary:**

- ✓ Working Knowledge in **Ansible, Docker, Kubernetes**.
- ✓ Strong experience in version control tools and **GIT**.
- ✓ Experience in using **MAVEN** as build tool for the building of deployable artifacts.
- ✓ **CI-CD** implementation using **Jenkins on Kubernetes** Environment.
- ✓ Working with Development teams to create fully automated **CI/CD pipelines**.
- ✓ Experience in AWS **EC2**, cloud storage **S3** and security services **IAM** with an overall objective to improve the Scalability, reliability, performance, and availability of the cloud infrastructure. Administers the cloud development, test and production cloud hosted environments.
- ✓ Strong experience in **CI** (Continuous Integration) and **CD** (Continuous deployment) using **Jenkins**.
- ✓ Experience with Code Quality tools such as **SonarQube**.
- ✓ Hands on experience in **Docker and Docker Hub**.
- ✓ Experience in building **Docker images** which include writing customized **Dockerfiles** based on the requirements.
- ✓ Designed and maintained relational (SQL) and non-relational (NoSQL) databases, ensuring high availability and performance tuning.
- ✓ Utilized monitoring and observability tools like Splunk, Grafana, and Dynatrace to proactively identify and resolve production issues.
- ✓ Conducted root cause analysis and log investigation to troubleshoot critical application failures, reducing mean time to recovery
- ✓ Applied ITIL-based incident, problem, and change management practices to support stable and secure application operations.
- ✓ Automated CI/CD workflows using industry-standard DevOps tools, reducing deployment time and increasing release frequency..
- ✓ Developed and maintained scalable mobile applications and backend systems, ensuring seamless integration with third-party APIs and services.
- ✓ Working Knowledge on **Static/Dynamic pods** in Kubernetes
- ✓ Integrating container based **SonarQube** with Jenkins-master in **Kubernetes**.
- ✓ Working knowledge On Kubernetes admin activities.
- ✓ Configured **INGRESS Controller** in Kubernetes.
- ✓ Experience in writing **Ingress-Rules** for each Application. (Routing)
- ✓ Working Knowledge on **Docker API's**.
- ✓ Working Knowledge on **NEXUS/Jfrog**.
- ✓ Daily activities include creating builds, deploying the artifacts in multiple QA and Dev environments and debugging the issues.
- ✓ Knowledge on Writing a Linux **Shell Script**.

**Academic Credentials:**

- ✓ **Bachelor of Technology** from JNT University, **Kakinada** in 2015.

### **Professional Experiences:**

- ✓ Worked has a AWS DEVOPS Engineer in HCI Technologies from 2020 May to 2024 April
- ✓ Worked has a Cloud & Devops engineer in Airbnb from 2024 to Till Date

### **Technical Skills:**

<b>Configuration Management Tools</b>	<b>Ansible</b>
<b>Continuous Integration Tools</b>	<b>Jenkins</b>
<b>Version Control/Repository</b>	<b>GIT, GITHUB</b>
<b>Operating Systems</b>	<b>Linux, Windows Family</b>
<b>Build Tools</b>	<b>Maven</b>
<b>Cloud Services</b>	<b>AWS (EC2, S3, VPC, IAM, RDS, ELB, EKS, ECR, Cloud Formation, Secrets Manager)</b>
<b>Application Servers</b>	<b>Apache Tomcat</b>
<b>Scripting Languages</b>	<b>Shell Scripting</b>
<b>Containerization</b>	<b>Docker, Kubernetes</b>
<b>Monitoring Tools</b>	<b>Nagios</b>
<b>Bug Tracking Tool</b>	<b>Jira, Service Now</b>
<b>Artifactory Storage</b>	<b>Nexus, JFrog</b>
<b>Static code analysis Tool</b>	<b>Sonar Qube</b>
<b>Database</b>	<b>Postgres, Dynamo DB</b>
<b>Streaming &amp; Messaging</b>	<b>Apache Kafka</b>

### **Project Details:**

#### **Project 1**

Project : Airbnb  
Role : DevOps Engineer

#### **Responsibilities:**

- ✓ Deployed micro services using Helm charts and custom Docker images, ensuring optimized resource utilization by assigning CPU and memory limits to namespaces.
- ✓ Monitored cluster health and performance using Kubernetes-native tools (kubectll, kube-state-metrics) alongside Prometheus, Grafana, and Argo CD for comprehensive observability.
- ✓ Designed and developed end-to-end CI/CD pipelines using Jenkins, integrating with JFrog Artifactory for artifact management.
- ✓ Created custom Docker base images to streamline CI/CD pipelines, ensuring consistency across environments.
- ✓ Configured Jenkins with static and dynamic slaves to optimize build performance and resource management.
- ✓ Developed and scheduled Jenkins jobs to automate build, test, and deployment processes, reducing manual interventions and accelerating delivery.
- ✓ Integrated Kafka with CI/CD pipelines to enable real-time deployment monitoring and event streaming, enhancing visibility and performance tracking.
- ✓ Configured internal and external load balancers to support multiple environments (Dev, QA, Prod), ensuring high availability and traffic distribution.

- ✓ Managed and maintained non-EKS environments, executing deployment activities and ensuring optimal performance and availability of applications.
- ✓ Developed and maintained Standard Operating Procedures (SOPs) with detailed troubleshooting guides to streamline incident response and resolution processes.
- ✓ Worked closely with developers, project managers, and product owners to define roadmaps, resolve build issues, and support daily development activities.

## **Project 2**

Project : XM(INFOR)  
Role : AWS DevOps Engineer

### **Responsibilities:**

- ✓ Configured and managed **S3 buckets** with **IAM policies** for secure storage and backup, utilizing **Glacier** for cost-efficient archiving.
- ✓ Designed and maintained **Virtual Private Clouds (VPC)**, including **subnets**, **NAT gateways**, and **VPC Peering Connections** to enable secure cross-VPC communication.
- ✓ Implemented **AWS Multi-Factor Authentication (MFA)** using **Google Authenticator** and **AWS Virtual MFA** to enhance access security.
- ✓ Registered and managed **AWS Route 53** domains, ensuring efficient DNS management.
- ✓ Monitored and optimized **Amazon EC2** instances for reliability, availability, and performance, including managing **AMI snapshots**, **EBS volumes**, and **resource scaling**.
- ✓ Created and managed **Amazon RDS** and **EC2-hosted databases** as per project requirements.
- ✓ Configured **AWS CloudWatch** alarms for proactive monitoring of server performance, CPU utilization, and disk usage.
- ✓ Developed **Terraform scripts** for infrastructure as code (IaC) to ensure repeatable, scalable AWS environment setup.
- ✓ Designed **CloudFormation templates** to automate infrastructure deployment, including VPCs, subnets, and NAT gateways.
- ✓ Deployed **Jenkins** on **Kubernetes** with **persistent volumes**, creating scalable CI/CD environments for microservices deployment.
- ✓ Integrated **Jenkins** with **GitHub/GitLab** repositories and configured essential **Jira** plugins for seamless workflow tracking.
- ✓ Automated infrastructure and application configurations using **Ansible**, creating reusable playbooks and jobs in Jenkins.
- ✓ Deployed and managed **MongoDB clusters** for high-performance, fault-tolerant database solutions.
- ✓ Configured **Access Control Lists (ACL)** in VPC to **block suspicious IPs/subnets**, enhancing network security.
- ✓ Implemented **Kubernetes CI/CD environments** for deploying and managing containerized microservices.

Declaration: I hereby declare that the information furnished above is authentic and true to the best of my knowledge and belief.

Place: Bangalore

Name: Satya. R