

# Venkata Amarnath Malasani

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**Summary** — DevOps Engineer with 2.2 years of experience designing, building, and maintaining scalable and reliable systems. Skilled in managing the software development life cycle, including CI/CD implementation, scripting, and automating workflows for efficient builds and deployments.

## Skills

**Version Control** : Git, GitHub

**Build Tools** : Maven

**Cloud** : AWS

**Scripting** : Python, Shell Scripting

**CI/CD** : Jenkins

**IAC Tool** : Terraform, Ansible

**GitOps Tool** : ArgoCD

**Containerization and Orchestration** : Docker, Kubernetes

**Docker Registry** : AWS ECR, Docker Hub

**Monitoring and Alerting** : Prometheus, Grafana and Cloud Watch

**Artifactory Repository** : Nexus Artifactory

**Static Code Analysis Tool** : SonarQube

**Configuration Management** : Ansible

**Logging** : EFK Stack(Elasticsearch, Fluentd, Kibana)

## Experience

**Wissen Infotech**

**Aug 2022 – Sep 2024**

*DevOps Engineer*

- Automated CI/CD pipelines integrating Git, Nexus Repository, SonarQube, Maven, Jenkins, and Docker, enabling rapid deployments to AWS EKS.
- Managed source code repositories using Git and GitHub, performing branching, merging, and tagging as required.
- Performed continuous build and deployments across multiple DEV, QA, PRE-Prod, and PROD environments.
- Integrated SonarQube with Jenkins for continuous code quality inspection and analysis using the SonarQube scanner for Maven.
- Integrated Nexus Repository with Jenkins for storing artifacts and managing dependencies.
- Managed container-based deployments using Docker, storing Docker images securely in AWS ECR and Docker Hub.
- Identified troubleshooting and resolved build and deployment issues, reducing downtime.
- Deployed Docker images on Kubernetes clusters using Helm charts and exposed applications via Ingress objects, implementing rolling updates.
- Implemented GitOps with Argo CD for automated application deployments and configuration management.
- Configured and managed Prometheus and Grafana for alerting and monitoring system metrics, creating custom dashboards.
- Implemented centralized logging and log analysis using the EFK stack, improving troubleshooting and monitoring capabilities.
- Implemented infrastructure automation using Terraform, reducing manual provisioning time by 70 percent and improving consistency.
- Developed Ansible playbooks to automate remote server configurations, software installations, and application deployments.
- Developed shell scripts for automating node health checks, resource monitoring, and scheduled maintenance tasks.
- Managed and configured infrastructure on AWS, including AWS IAM, VPC, EC2, EKS, EBS, S3, ELB, Auto Scaling, Route 53, CloudFront, CloudWatch, CloudTrail, AWS RDS, AWS DynamoDB, AWS Lambda, and SNS.
- Provisioned and managed databases using RDS (MySQL and Aurora) with Terraform, ensuring high availability and scalability.
- Created complex IAM policies, roles, and user management for delegated access within AWS, adhering to the principle of least privilege.
- Created and managed S3 buckets and implemented lifecycle policies and versioning, ensuring data durability and cost optimization.
- Created CloudWatch dashboards, metrics, alarms, and notifications, proactively monitoring system performance and health.
- Configured SNS topics for CloudWatch alerts and other notifications, enabling timely incident response.
- Implemented AWS Lambda functions for serverless automation tasks and event-driven processing.
- Utilized AWS CloudTrail for auditing and compliance, tracking API calls and configuration changes.

## Education

**SRI VENKATESWARA UNIVERSITY**

**2018 – 2021**

*Bachelor of Science in Computer Science*

## Certifications

**AWS Certified Cloud Practitioner**

**2023 – 2026**