SUKANT TEKADE

Devops Enthusiast

CONTACT

+91 9021016973

tekadesukant@outlook.com

www.linkedin.com/in/tekade-sukant

https://github.com/tekadesukant

Nagpur, Maharashtra - 441107

SKILLS

Build Tool : Maven

Platform : Linux and Windows

Version control : Git

Continuous Integration : Jenkins

Web App Server : Apache Tomcat

Artifactory tool : Nexus

Configuration Management : Ansible

Containerization : Docker

Container Orchestration: Kubernetes

Cluster Management : Kops

IAAC : Terraform

Cloud Environment : AWS

Continous Delivery : Argo CD

Monotoring : Prometheus & Grafana

Programming language: Java, Python

AWS SERVICES : Elastic Compute Cloud, Simple Storage Service, Virtual Private Cloud Identify and Access Management, Command Line Interface, Relational Database service, Cross Region Replication, Elastic Load Balancer, Elastic Block Storage

EDUCATION

Kavikulguru Institute of Technology and Science, Ramtek

Information Technolgy | Bachelors of Technology

CGPA: 8.54 2020 - 24

During my B.Tech in Information Technology, I gained a strong foundation in programming, data structures and Algorithms, Database Management System and network systems through hands-on projects and lab sessions. Engaging in technical clubs and cultural events enriched my learning experience and equipped me with valuable skills for my career.

PROFILE

I am Sukant Tekade, a recent Bachelor of Technology graduate from Nagpur University with a specialization in Information Technology. I am deeply passionate about the intersection of technology and efficiency, particularly in software development and operations. As an aspiring DevOps Engineer, I have built a solid foundation in DevOps and Amazon Web Services (AWS) concepts and am eager to further enhance my skills in this rapidly evolving field. Proficient in Java, Object-Oriented Programming, Data Structures & Algorithms, Database Management Systems, and Computer Networking, I am keen on applying these competencies to real-world challenges. I am actively seeking opportunities to contribute my knowledge and collaborate on cutting-edge projects that push technological boundaries.

PROJECTS

End-to-End CI/CD Pipeline Implementation

Tools : Terraform, Maven, Jenkins, Ansible, Tomcat, Nexus, Prometheus

- **Terraform for Infrastructure Provisioning:** Automated the creation of cloud infrastructure using Terraform scripts, executed through Jenkins Pipeline and HashiCorp Cloud Platform (HCP), ensuring a consistent and scalable environment.
- **Jenkins and Ansible Integration:** Configured Jenkins master and slave nodes with Ansible for automated setup and management, enhancing the scalability and reliability of the CI/CD process.
- **Tomcat Server Setup:** Installed and configured Tomcat on Jenkins slave servers to host the web application, optimizing performance.
- **Source Code Integration with Jenkins:** Linked the project's source code repository with Jenkins to enable automated builds and deployments, ensuring the latest code was always built and deployed.
- **Maven for Build Automation:** Integrated Maven within the Jenkins pipeline to compile code and package it into a WAR file, streamlining the creation of deployable artifacts.
- **Artifact Management with Nexus:** Uploaded generated WAR files to Nexus, ensuring easy retrieval for rollback.
- **Automated Deployment with Jenkins Pipeline:** Deployed the WAR file to Tomcat using Jenkins pipeline.
- **Monitoring with Prometheus and Grafana:** Set up Prometheus to collect metrics and Grafana to visualize them, providing real-time insights into server performance and application health.

Docker and Kubernetes Integration for Web Application Deployment and Orchestration

Tools : Docker, Kubernetes, Jenkins, Prometheus

- **Docker Integration:** Containerized applications using Docker, ensuring consistency across different environments and simplifying deployment processes.
- **Kubernetes Orchestration:** Managed containerized applications with Kubernetes, automating deployment, scaling, and management of application containers.
- **Continuous Integration/Continuous Deployment (CI/CD):** Integrated Docker and Kubernetes into CI/CD pipelines for automated testing, build, and deployment of applications.
- **Scalability and Efficiency**: Utilized Kubernetes to optimize resource utilization and scalability of applications, ensuring performance.
- **Monitoring and Logging:** Implemented monitoring and logging solutions within Kubernetes to track performance and resolve issues.