Mahesh Kadirisani

DevOps and Cloud Engineer

Mahesh's LinkedIn Profile

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Objective:

Dedicated and skilled DevOps Engineer with 2.4 years of hands-on experience in cloud infrastructure management, automation, and CI/CD pipeline development. Proficient in a wide range of tools including AWS, Linux, Docker, Kubernetes, Jenkins, Ansible, and Terraform. Proven track record of successfully implementing scalable and reliable infrastructure solutions to support continuous integration and deployment processes.

Profile Summary:

- Having a good experience working in the DevOps area, working with various CI/CD implementations involving different phases from code compilation to deployment, Environment management, and maintenance.
- Collaborated with development and operations teams to streamline release cycles and improve deployment processes.
- Automated repetitive tasks and manual interventions using scripting languages (e.g., Bash) and configuration management tools (Ansible).
- Provided technical guidance and support to team members, fostering a culture of continuous learning and innovation.
- Solid experience with Linux (Ubuntu and RedHat) operating systems.
- Hand-on experience on Infrastructure as a code (IaaC) Terraform.
- Automated infrastructure Deployment by using Jenkins pipeline.
- Worked on a CI/CD Jenkins for automating the entire application deployment life cycle process.
- Good Knowledge of creating users and restricting permissions to the jobs and giving access to the respective jobs by customizing the permissions in Jenkins.
- Good Experience of storing artifacts in S3 buckets by enabling versioning and Enabling S3 Bucket Cross Region Replication.
- Worked on Docker to manage containers, and images, and establishing the communication between the containers.
- Knowledge on working with Docker Swarm and Stack.
- Good Experience of configuration management tool Ansible.
- Configured Kubernetes resources such as Pods, Deployments, Services, and Ingress to streamline application deployment and networking.

- Implemented Kubernetes best practices for container orchestration, including rolling updates, auto-scaling, and load balancing, resulting in improved application reliability and performance.
- Provided support and troubleshooting for Kubernetes-related issues, including pod and node level issues.
- Implemented monitoring solutions using Prometheus and Grafana to track system performance, collect metrics, and visualize data for effective decision-making.
- Leveraged Argo CD for GitOps-based continuous delivery, automating application deployment and ensuring consistency across multiple environments.
- Hands-on experience in Working on AWS cloud services IAM, VPC, EC2, S3, Elastic Block Storage, Elastic Load Balancer, and Elastic BeanStalk.

Professional Experience:

Working as DevOps Engineer in Tata Consultancy Services Pvt. ltd (Feb-2022 - Present)

Technical Expertise:

Project: **Ultimatix (TCS Internal)**

Tools Used:

Version control system	Git, GitHub
CI/CD	Jenkins
Build Tool	Maven
Configuration management	Ansible
Infrastructure as a Code	Terraform
Application server	Tomcat
Cloud Environment	AWS
Artifactory	S3/Nexus
Ticketing tool	Global Help Desk
Container Technologies	Docker , Kubernetes
Scripting	Shell

Roles & Responsibilities:

- Deploying end product in tomcat web server and other application servers before production.
- Taking backups of code and Databases before new deployments.

- Checking and automating if the Servers are running out of disk.
- Monitoring of all the Services running on the servers.
- Integrated many tools with Jenkins like Git, Maven, Nexus, Ansible, and Tomcat.
- Worked on Jenkins by installing, configuring, and maintaining continuous integration (CI) and End-to-End automation for all builds and deployments
- Configured many scheduled projects so that they can run frequently without the manual trigger.
- In case of any new project setup, creation of new jobs in Jenkins for some basic tasks.
- Configuring pre and post-build actions in Jenkins as per project requirements
- Deploying artifacts like JAR, and WAR, into application servers Apache Tomcat and storing it on Artifactories.
- Used Ansible vault to secure information like passwords and secret key files.
- Making configuration changes on Servers using Ansible
- Writing Playbooks for automating the daily tasks with Ansible Roles.
- Taking backups of Instances and taking backups of Production Databases and Providing them to Developers on Staging/ Testing Environments for testing of any issues
- Pulling the Artifacts from the Nexus and deploying them to the Tomcat server through the Ansible Playbooks.
- Maintaining Confluence pages for the Documentation for Daily tasks.
- Administering users, groups, and roles & setting up policies by using IAM and also Creation of VPCs, S3 buckets, and Ec2 Instances automating them through Terraform.
- Manage and configure AWS services as per the business needs (ELB, EC2, S3, IAM, and VPC).

Declaration:

I hereby declare that the information furnished above is true up to my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

Place: Name:
Date: