

Mahesh Kadirisani

DevOps and Cloud Engineer

<https://www.linkedin.com/in/mahesh-kadirisani/>

Email: maheshgoudkadirisani@gmail.com

Phone No: +91 9849638580

Profile Summary:

Dedicated and skilled DevOps Engineer with 2.4 years of hands-on experience in cloud infrastructure management, optimizing and streamlining IT operations. Seeking a challenging role to leverage expertise in DevOps technologies and cloud infrastructure to contribute to a dynamic team.

Professional Summary:

- Having a good experience working in the DevOps culture, working with various CI/CD implementations involving different phases from code compilation to deployment, Environment management, and maintenance.
- Solid experience with Linux (Ubuntu and RedHat) Operating Systems.
- Collaborated with Development and Operations teams to streamline release cycles and improve deployment processes.
- Automated repetitive tasks and manual interventions using Bash scripts and configuration management tool (Ansible).
- Hand-on experience on Infrastructure as a code (IaC) with Terraform.
- Good Experience on configuration management using Ansible.
- Experience in CI/CD pipelines for automating the entire application deployment life cycle process with Jenkins.
- Good Knowledge on creating users and restricting permissions to the jobs and giving access to the respective jobs by customizing the permissions in Jenkins.
- Good Experience in storing artifacts in S3 buckets by enabling versioning and Cross Region Replication.
- Worked on Docker to manage containers, build Images, and establishing the communication between the containers using Docker networking.
- Knowledge on working with Docker Swarm and Stack.
- Configured Kubernetes resources such as Pods, Deployments, Services, Name Spaces and Ingress controllers 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 ArgoCD 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
Configuration Management	Ansible
Infrastructure as a Code	Terraform
Cloud Environment	AWS
Artifactory	S3/Nexus
Ticketing tool	Jile
Container Technologies	Docker , Kubernetes
Scripting	Bash

Roles & Responsibilities:

- Experience in automation of manual tasks & processes enabling better governance and compliance using Bash scripting.
- Collaborated with cross-functional teams to ensure seamless project delivery in an agile environment.
- Designed and implemented Jenkins based CI/CD pipelines, automating end-to-end CI/CD processes, reducing deployment errors.
- Demonstrated proficiency in Ansible and Terraform, creating infrastructure on AWS using Terraform and managing package installations using Ansible Playbooks.
- Experience setting multi region and multi cloud terraform projects and well versed using terraform workspaces on different environments.
- Infrastructure Patch management for all servers using Ansible.
- Used Ansible and HashiCorp vaults to secure information like passwords and secrets.

- Implemented version control best practices with Git, improving code collaboration and traceability.
- Created Dockerfiles based on Developer Requirements and built custom images.
- Developed Multi Stage Docker files and used Distroless images for image compression.
- Established connection between containers using various networking types.
- Stored the custom images on Docker Registry.
- Collaborated on creating a Kubernetes Cluster with kops automation.
- Managed and maintained Kubernetes clusters, ensuring high availability and scalability for containerized applications. Implemented rolling updates and automatic scaling to accommodate increased workloads during peak usage periods.
- Having a good knowledge on Architecture and deployment strategies in Kubernetes.
- Automated the deployment process with writing manifest files and executing them.
- Implemented proactive monitoring and alerting using Prometheus and Grafana, reducing system downtime.
- Assisted in planning and execution of Disaster Recovery (DR) drills to maintain business continuity.
- Administering users, groups, and roles & setting up policies by using IAM and also creation of VPCs, S3 buckets, and EC2 Instances and automating them through Terraform.
- Manage and configure AWS services as per the business needs (ELB, EC2, S3, IAM, and VPC).

Education:

- Madanapalle Institute of Technology & Science
B.Tech (2018 - 2021)
Electrical & Electronics Engineering
- Sri Venkateswara Government Polytechnic
Diploma (2015 - 2018)
Electrical & Electronics Engineering

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: Bangalore

Name: Mahesh Kadirisani

Date: