

Mahesh Boddu

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Professional Summary

Experienced DevOps Engineer with a proven track record spanning 3+ years, adept in key technologies including Docker, Kubernetes, Cloud Technologies. Proficient in Jenkins CI/CD pipelines, ensuring Site Reliability through robust build management utilizing DevOps tools. Skilled in orchestration of enterprise applications in various clusters. Expertise in Shell Scripting and automation of various operational tasks. Possesses comprehensive functional insights into IT operations within the Software Industry

Technical Skills

Primary Skills: DevOps, Jenkins, CI/CD, Docker, Kubernetes, GitHub, Linux, Shell Scripting, Agile, AWS, Terraform, Ansible, Azure

Secondary Skills: Build Tools, Prometheus, Grafana, Azure

Other skills: AWS, Python, MySQL,

Operating systems : Linux, Windows, Ubuntu

Tools used : GitHub, Jenkins, Docker, Kubernetes, Maven, Nexus, SonarQube

Experience

Hexaware Technologies

January 2022 - Till present

Current Position: Software Engineer

Chennai, India

Education

Bachelor of Engineering in Electrical and Electronics Engineering

Hyderabad, India

Nalla Malla Reddy Engineering College

July 2017 - September 2021

Projects

KPMG_ManagedServices:

Jan 2022 – March 2024

- Deployment of applications as Platform as a Service (PaaS), Software as a Service (SaaS) and On-Prem to production environments.
- Setting up of Jenkins CI/CD pipelines for development and production environments.
- Extensive experience writing Shell and Bash scripts to automate majority of the workloads.
- Experience working on various Git operations.
- Experience on debugging Jenkins build failure, Jenkins application failures.
- Worked on setting-up of customized servers to host and test the applications.
- Worked on delivering the entire workflow using pipeline where it creates a cluster and deploys the application as pods.
- Automated the provisioning and management of AWS infrastructure using Terraform, including EC2, S3, VPC, RDS, DynamoDB, IAM roles, and Security Groups.
- Experience on debugging Jenkins build failure, Jenkins application failures.
- Proficient in customizing Jenkins permissions, user management, and job access control.
- Handled artifact management with S3 buckets by versioning and cross-region replication.
- Experienced in Docker container management.
- Good Knowledge in configuration management with Ansible.
- Familiar with core Ansible concepts including setup, Ad-hoc commands, Playbooks, and handlers.
- Well-versed in web servers like Apache2, IIS, nginx.

- Experienced in installing and configuring Kubernetes (K8S) clusters and ensuring communication between master and node components.
- Thorough understanding of Kubernetes architecture and workflow.

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(2024 June – Present)

- Setting up of Jenkins CI/CD pipelines for development and production environments.
- Extensive experience writing Shell and Bash scripts to automate majority of the workloads.
- Experience working on various Git operations.
- Experience on debugging Jenkins build failure, Jenkins application failures.
- Experience in Securing the sensitive information on Azure Vault.
- Managed Identity and Access Management (IAM) to Integrate Azure Services.
- Experience in PowerShell to create resources on Azure Platform using Azure SDK.
- Experience in implementing Serverless Architecture using PowerShell and Azure functions.
- Improved the release efficiency by 20% by CI/CD best practices.
- Experience in setting up the Jenkins Infra and integrating it with Auto Scaling (VMSS).

Roles & Responsibilities:

- Monitoring ServiceNow alerts for pending/scheduled tasks.
- Deploying end products on Tomcat and other web servers before production.
- Automating disk space monitoring on servers.
- Comprehensive monitoring of all server services.
- Integrating various tools with Jenkins, including Git, Maven, Nexus, Ansible, Sonar, and Tomcat.
- Installing, configuring, and maintaining Jenkins for continuous integration (CI) and end-to-end automation.
- Creating and configuring scheduled Jenkins projects.
- Managing pre- and post-build actions in Jenkins.
- Deploying JAR and WAR artifacts to Apache Tomcat and Nexus.
- Ensuring secure information storage using Ansible Vault.
- Implementing configuration changes on servers with Ansible.
- Creating automation Playbooks for daily tasks.
- Backing-up instances and production databases for developer testing on staging/testing environments.
- Pulling and deploying artifacts from Nexus to Tomcat servers.
- Conducting post-deployment code sanity checks and obtaining necessary approvals.
- Managing AWS resources, including EC2 instances, S3 buckets, VPCs, subnets, load balancing, and Auto Scaling using Terraform.
- Administering users, groups, roles, and policies in IAM.

Declaration:

I hereby affirm that the information provided above is accurate to the best of my knowledge, and I take full responsibility for its correctness.

Place: Hyderabad

Name: Mahesh Boddu