Manikanth Reddy Abbu

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**Professional Summary:**

* Over 4.8 Years of progressive, professional experience in **DevOps** and **Software Configuration Management** which includes Build setup, Continuous Integration, Source Code Management process setup.
* Hands on Experience in tools like **Git, GitHub, Maven, Jenkins, Ansible**, **Docker, Kubernetes** **Bitbucket.**
* Experience in using source code management tool **GIT**.
* Experience in using build tool **Maven & Kaniko**.
* Hands on experience in Automation of build process (**Build Automation**) using the Git, Maven and **Jenkins**.
* Experience in using **Nexus Repository** to store the Build artifacts.
* Familiar with Infra-provisioning Tool – **Terraform**
* Hands-on experience with **Ansible** asconfiguration management tool in large production environments.
* Wrote **Playbook, Modules** and utilized community Playbooks as well.
* Good working experience in the Linux **environment**.
* Deploying the JAR and WAR into Tomcat Application Server.
* knowledge in **Amazon AWS** Cloudwhich includes services like: **EC2, S3, IAM, Load Balancer,**
* Good interaction with developers, managers, and team members to coordinate job tasks and strong commitment to work.
* Ability to learn new technologies quickly.
* Have touch-base knowledge in **Kubernetes** and currently working on Cloud-Native Technologies like **Tekton CI/CD** pipelines, **ArgoCD**

**TECHNICAL SKILLS**

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| --- | --- |
| Source Code Management | GIT |
| Build Tool | Maven |
| Continuous Integration | Jenkins, Tekton |
| Configuration Management | Ansible |
| Artifactory Server | Nexus, JFrog |
| Application Server | Apache Tomcat, NGINX |
| Infra-Provisioning | Terraform |
| Operating Systems | Windows, Linux (CentOs, Ubuntu) |
| Project Management Tool | JIRA |
| Cloud Technologies | AWS (EC2, S3, IAM, Route53) |
| CloudNative CI-CD | Kubernetes, Tekton, ArgoCD |

**Roles and Responsibilities:**

* Worked on Branching and Merging, Resolving and maintaining branching strategy using **GIT.**
* Resolved conflicts related to merging of source code.
* Installing and configuring **Jenkins,** plug-in installation, configuring security.
* Creating a Jenkins master and slave for the implementation of multiple **parallel builds**.
* Creating Jenkins builds jobs based on the requirement.
* Integrated Git, Jenkins, Maven in accomplishing continuous integration with poll SCM, build trigger.
* Deploying the generated artifacts using Ansible.
* Setting up the Ansible **Master** and Ansible **Nodes,** writing playbooks**.**
* Infrastructure provisioning on AWS using **Terraform**
* Launching Amazon EC2 Cloud Instances, Setting up **Kubernetes** cluster (**minikube** and **KOPS**)

**ORGANISATION –TCS Ltd. (Feb 2017 – till date)**

**Projects:**

*Account – HUMANA Inc. (June 2020 – Sep 2020)*

Project Name: Data Governance-RPA

Role: DevOps Support

Tool: Git, Maven (Build Tool), TFS, Jenkins, Change Management, Dynatrace

*Account: Motorola Solutions Inc. (Nov 2020 – March 2021)*

Project Name: Enterprise Data Hub

Role: DevOps Support

Tools: Jenkins, Git, Bit-Bucket, JIRA, AWS EC2, AWS S3 storage

*Account: NextGen (R&D) (April 2021 – Till date)*

Project Name: OpenSource Mano (OSM) application

Role: DevOps Engineer

Tools: Kubernetes (minikube, KOPS), AWS, Tekton CI/CD pipelines, GitOps(ArgoCD)

**Appreciations & Awards:**

* Have received “On Spot award”, “Best team award”.
* Have received many appreciations from PL and clients. Also received Fresco-Miles award for keeping up my learning curve with the emerging technologies.

**Hobbies & Interests:**

* Poetry
* Sustainable Living
* Capital Markets Enthusiast

**Academics & Work Experience:**

* Graduated with *Bachelors of Technology* in *Electronics and Instrumentation Engineering* from CVR College of Engineering– Hyderabad
* Year of Pass-out: May 2016
* Overall Percentage: 75% - Distinction
* Joined TCS on *Feb 23 2017*, working as *Software Engineer*.
* Years of Experience: 4 years 8 months