**S MURALIDHAR REDDY**

**Mobile:** +91-6302842265

**Software Engineer II**

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**Career Objective**:

To work with Progressive and Professional organization, have challenging and responsible opportunities, which will help to improve my knowledge and utilize my strengths and skills.

**Professional Summary:**

* Having **4+** years of professional experience in IT industry as a **DevOps Engineer**, build, test process with various environments.
* Created automated testing environment using Continuous Integration tool **Jenkins** depending on the requirements**.**
* Established the **Jenkins agent** in slave machine to avoid stress on master node.
* Experience of Implementing DevOps by integrating source control tools **GIT, GitHub**, build tools like **Maven**, CI/CD tool like **Jenkins** and Deployment automation tool like **Ansible,** practices for the Building Development Teams using **SonarQube**, **TOMCAT**.
* Having experience in Configuring **Jenkins** from scratch and administering and automating the process with **Groovy Scripting.**
* Having Knowledge of understanding in the strategy of **AWS** Cloud-Specific technologies like **EC2, S3, Security groups, IAM.**
* Good experience and administrating the continuous integration tool like **Jenkins** and knowledge on **GitHub Actions.**
* Having some exposure on **Dockers Containerization** and **Docker file.**
* Having knowledge on **Kubernetes** and **Kubernetes Manifest file.**
* Configured and maintained **Jenkins** to implement the **CI** process and integrated the tool with **Maven** to

schedule the builds.

* Created automated build environment using Continuous Integration Tools **Hudson/Jenkins**.
* Implemented Master-Slave concept in **Jenkins** from Test and Pre-prod servers**.**
* Good experience on Build Tool **Maven** and CI Tools like **JENKINS**, knowledge on **GitHub Actions.**
* Having experience on **Apache TOMCAT.**

**Technical Skills:**

* Application Server : Apache Tomcat.
* Build Tools : Maven.
* (SCM) Tool : GitHub, SVN, Bit Bucket, Git
* Continuous Integration (CI) Tools: Hudson/Jenkins, knowledge on GitHub Actions.
* Configuration tools : Ansible.
* Operating Systems : Ubuntu, Windows.
* Scripting Languages : Groovy, Shell Scripting
* Programming Languages : JAVA.
* Cloud services : AWS, EC2, S3, IAM, EBS etc.
* Virtualization : Docker.
* Orchestration : Kubernetes knowledge.

**Professional Experience:**

* **Worked in Team lease Digital Pvt.Ltd** as a DevOps Engineer from May 2019 to January 2022.
* **Working in Cientra Tech Solutions Pvt.Ltd** as a Software Engineer II from October 2022 to Present.

**Qualification:**

* Completed B. Tech in the stream of E.C.E from **MJR College of Engineering and Technology** in 2018.

**Projects:**

**Project #1:**

**Project** : **Next Generation Infotainment**

**Client** : **Daimler AG.**

**Role** : DevOps Engineer

**Tools** : Jenkins, Git, Linux, Maven, SonarQube, Groovy, Java.

**Duration**: May 2019 to Jan 2022**.**

**Description:**

The Project revolves around the development of Next Generation In-Vehicle Infotainment (IVI) systems to provide entertainment, safety and connectivity. Music System controls and dashboard controls via gesture related.

**Roles & Responsibilities:**

* Creating automated build environment using Continuous Integration tools Jenkins with depending on the requirements**.**
* Trouble shoots the Build and Deploy issues.
* Responsible for CI/CD activities.
* Written and maintain maven pom.xml file to create artifacts to build java code.
* Maintain baseline code in repository and responsible for branching, merging, and tagging.
* Part of Configuration Management to Provide Access Permissions to developers for check in, checkout.
* Prepared Build Report for each build.
* Supported application development on Linux and Windows server.
* Responsible for Pre and Postproduction Steps.
* Installation and Configuration of Continuous Integration Tools Jenkins.
* Configured CI, Nightly and Release builds/jobs in Jenkins.
* Performed code merges on a regular frequency to integrate the source code from various branches

**Project #2:**

**Project** : **Automation of Unit test**

**Client** : **CARIAD.**

**Role** : Software Engineer II

**Tools** : Jenkins, Git, GitHub, TPT, MATLAB, Groovy.

**Duration**: Oct 2022 to June 2023.

**Description:**

The Project revolves around the development of High Voltage Battery Management System in Electric

Vehicle which involves Charge Management Server (CMS), Charge Time Management (CTM) and High Level

Communication (HLC).

**Roles & Responsibilities:**

* Created automated testing environment using Continuous Integration tool Jenkins with depending on the requirements**.**
* Created three use cases like Periodic trigger, Manual trigger or User trigger and Commit trigger.
* Maintained three repositories for all three components like CMS, CTM and HLC.
* Configured nightly builds in Continuous Integration tool like GitHub Actions.
* Used Groovy and shell scripting to write Jenkinsfile in Jenkins.
* Integration of tools like TPT (Time Partition Testing) and MATLAB with continuous integration tool Jenkins
* Automated the generation and storing the Test Reports from TPT tool.
* Created parameterized job to give user input to select individual or multiple units in a Jenkins job.
* Created commit trigger job in Jenkins to build and test those changes immediately.
* Automated the Reports committing to GitHub.
* Sent automated Email notification after finishing the job with Jenkins job URL.
* Established the Jenkins agent in the slave machine to run Jenkins jobs in that machine.

**Project #3**:

**Project : Automation of Build and Unit test.**

**Client** : In House Project.

**Role** : Software Engineer II  
**Tools :** SVN, Jenkins, make, CMake, SonarQube.  
**Duration:** Jul 2023 to Jan 2024.

**Description:**

The project revolves around the development of embedded software, and it has six modules within the system.

**Roles and Responsibilities:**

* Created automated building environment by using continuous integration tool Jenkins.
* Created three use cases like Manual trigger, Periodic trigger and Commit trigger.
* Created nightly builds by using CI tool Jenkins.
* Used SVN (subversion) as source code management tool and integrated it with Jenkins.
* Automated and integrated the Static code analysis tool with Jenkins.
* Created six build jobs and one test job, these six jobs are upstream and downstream.
* Automated the changes committing to SVN after build.
* Sent automated Email notification after finishing or failing the job with console output log and Jenkins job URL.

Place:

Date: S MURALIDHAR REDDY