PRADEEP KUMAR REDDY

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Objective

I am looking a challenging position in an esteemed organization where my experience, technical and analytical skills are utilized for continuous growth and advancement of the company. I am a person with positive attitude, have sincerity towards my work and ability to perform under pressure.

Professional Summary

- Having 3+ years of experience of Build/Release and DevOps methodologies and setting up and maintaining CI & CD pipelines and delivering releases for multiple Applications running on Linux based distributed Infrastructure.
- Expertise in supporting multiple projects during builds and release process.
- Hands on experience with version control tool **GIT and GITHUB.**
- Good working experience on **Linux** Operating Systems.
- Hands on Experience with Build Tool **Maven** to generate project **Artifacts.**
- Hands on Experience in automating build process using **JENKINS CI** Tool.
- Written Groovy script for pipeline project.
- Good experience in deploying the files in **Tomcat** Server.
- Worked on ticketing tool like **JIRA.**
- Good experience in **Groovy.**
- Integration, deployment and administration of Java Application servers – Tomcat Application Server across Linux platforms.
- Experience in integrating Code Quality Analysis Tools like SonarQube.
- Having good knowledge in Amazon EC2 technologies **EC2, S3, EBS, Auto scaling** and **ELB**.
- Managing **PaaS** platform hosted on **AWS** running with 99.99% uptime using **Auto scaling**.
- Experience in using **Nexus**, Artifactory Repository Managers for Maven builds.
- Integrating **Nexus** with Jenkins to store artifacts
- Experience in writing **Ansible** playbooks for configuration management.
- Experience in creating Ansible Roles.
- **Docker** installation and image setup.
- Creating custom image from a **Docker File.**
- Expertise in creating **Docker Images** and maintaining it in private Artifactory repository Nexus
- Hands on experience in Container Orchestration by using Docker Swarm, Kubernetes, Open Shift.
- Good experience in writing Docker-Compose yaml files.

IT Knowledge

Version control system	Git, GitHub
Operating Systems	Linux
Scripting	Shell Scripting (Groovy basic knowledge)
Build Tools	Maven
Application Server	Apache Tomcat
Artifact repository Manager	Nexus
Quality code Management Tool	SonarQube
Configuration Management Tool	Ansible
Continuous Integration Tools	Jenkins (CI)
Cloud Environment	AWS
Containerization Tool	Docker
Container Orchestration	Docker Swarm, Kubernetes.

Work Profile

Current Organization: : TCS(contractor) – Aug -2018-tilldate

Current Designation : DevOps Engineer

Area of Work : IT Service

List of Major Technologies : Linux, Git, GitHub, Maven, Nexus, SonarQube, Ansible, Docker, Docker Swarm, Kubernetes, AWS.

Academic Credential

➤ Master of Business Administration from SV University Tirupati in 2018.

Projects

Project: 2

Project Name	GE Oil & Gas
Role	DevOps Engineer
Duration	October-2019 To Till Date
Environment	GIT, Maven, Jenkins,SonarQube, Nexus, Tomcat, Linux, Ansible, Docker, Kubernetes.

Description:

The division supplied equipment for the petroleum industry including drilling, subsea and offshore, onshore, LNG, distributed gas, oil pipeline and oil storage, oil refinery and petrochemical. GE Oil & Gas also designed and manufactured surface and subsea drilling and production systems, equipment for floating production platforms, gas compressors, gas turbines, turboexpanders, high pressure reactors, industrial electricity generation. GE Oil & Gas also provided pipeline integrity solutions[buzzword], sensor-based measurement, inspection, and condition monitoring, controls and radiation measurement solutions.

Roles and Responsibilities:

- Administration of **GITHUB** includes creating **branches**, **tagging**.
- Maintaining source code in **GITHUB** repository
- Used **Maven** scripts to build the source code
- Automated build scripts using **Maven** and **Shell Scripts**.
- Involved in installing **Jenkins** on a **Linux** Machine. And creating a **Master** and **Slave** configuration to implement multiple parallel builds through a build.
- Installing and configuring the **GIT**, **Maven, Sonar, Nexus, Docker and Kubernetes** with Jenkins for CICD.
- Used **AWS** services like **EC2, VPC, S3, EBS and ELB** for building infrastructure.
- Experience in writing Ansible playbooks for configuration management.
- Experience in creating Ansible Roles.
- Configured **Jenkins** CI tool for project and setup Nightly Builds Using Build Periodically.
- Automated the code deployment process in each environment (development, QA, Staging, Production).
- Create the Kubernetes cluster by using kubeadm.
- Responsible for writing the Manifest and Service set files.
- Involved in the release process and Deployed applications in Kubernetes Cluster.
- Creating the **Kubernetes** cluster and writing the **manifest** files and Service files**.**
- Involved in the release process and Deployed applications in Kubernetes Cluster.
- Configured a continuous integration process and interface with the operations team to ensure project Artefacts are deployed automatically to various environments using **Jenkins**.

Project: 1

Project Name	Anthem
Role	DevOps Engineer
Duration	Aug-2018 to October-2019
Environment	GIT, Maven, Nexus, SonarQube, Jenkins, Shell Scripting, Tomcat, Linux, Ansible, Docker, Docker Swarm, AWS.

Description:

Anthem is primarily used for tracking and maintaining the Pharma Product sales effectively. This application has different modules like Product Manufacturing Inventory, Order and Sales Inventory, Bill Management, Stock Inventory, Alert Management, Customer Management and Reports. This module will provide different alerts those can be integrated with all other modules.

Roles and Responsibilities:

- Setting up the new build environment for various applications in **Linux** environment.
- Managed to organizational standards by maintaining the source code in **GIT** for various applications.
- Creating and maintaining the development and release branches on **GIT**.
- Using **Maven** as a build tool, I could automate the process of building artifacts.
- Implementing **Jenkins** continuous integration tool including installing setting the jobs/plans and setting up the tool for deployment.
- Involved in installing **Jenkins** on a **Linux** Machine. And creating a **Master** and **Slave** configuration to implement multiple parallel builds through a build.
- Installing and configuring the GIT, Maven, Sonar, Nexus, Docker and Kubernetes with Jenkins for CI - CD.
- Used **AWS** services like **EC2, S3, EBS and ELB** for building infrastructure.
- Participates in the design and implementation phases for new and existing products, with a focus on **AWS** technical knowledge for successful execution of the requirements.
- Actively monitor and administer the applications and hosting environment to increase **efficiency**, **improve reliability**, and **minimize downtimes**.
- **Measurement**, **optimization** and **tuning** of system performance and ensuring that systems will run reliably and are highly available in a **24/7** production environment.
- Used **Docker Container** for running different individual services and optimizing the infrastructure cost.
- Managing/Tracking the defects status using **JIRA.**
- Automating the manual process if any, by writing the **Shell scripts.**
- Involved in deployment of the application using **Tomcat.**
- Primary responsibilities include Build and Deployment of the java applications onto different Environments like **QA, UAT** and **pre-Prod.**
- Production environment support activities which include major release or emergency hot fix deployments, scheduling and coordinating with client regarding Operational Job Cycles or any activities

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DECLARATION

I hereby declare that the above-mentioned information is correct up to my knowledge and I hear the responsibility for the correctness of the above-mentioned particulars.

Place: Bangalore   (Pradeep kumar reddy)