**Madamanchi Venkatanarayana Email Id: venkatavishnu122@gmail.com**

**DevOps Engineer Mobile: 9948171455**

**PROFESSIONAL SUMMARY**:

* Having around 3.3 years of professional IT experience as a **DevOps Engineer** in the automation of building, deploying and releasing of code from one environment to another environment.
* Experience on DevOps tools like Github, Maven, SonarQube, Nexus, Jenkins, Ansible, **Docker, Kubernetes**, Tomcat in Linux environment.
* Handson experience on **Building Docker images** and Responsible for Running the Images as a containers in **Kubernetes cluster** and **Docker swarmcluster.**
* Experience in creation of Branching strategies, Merging and Tagging concepts of version control systems(**vcs**) like **GIT**.
* Experience in configuring the **Github** access to developers for newly onboarded projects.
* Good in automating the build and release process using scripts and tools.
* Experience in **Ansible** for the configuration management.
* Hands on experience in **Ansible**, Written **Ansible playbooks** to configure the servers.
* Administration/Maintenance experiences of continuous integration tool as **Jenkins.**
* Experience in integrating Unit Tests and Code Quality Analysis Tools like **SonarQube**.
* Experience in using **Nexus** Repository Managers for Maven builds.
* Good experience in containerizing applications with **Docker**.
* Experience in trouble shooting, Configuration and Deploying Applications in **Tomcat** server.
* Experience in AWS cloud services like **EC2,EBS,S3,IAM,VPC,ELB and Autoscaling.**
* Experience in an Agile Environment (SCRUM).
* Working experience on operating system like Linux.
* Handled multiple environments for various releases.
* Experience in monitering the applications which will runs in the containers by using application monitoring tools like **Newrelic.**
* Very quick in learning new technologies, tools and a good team player of working with project Managers, Team Leads, Developers, and Testers.

**TECHNICAL SKILLS:**

**Operating System :** Linux

**Version Control System** **:** Git, Github

**Build and CI/CD tools** **:** Maven, Jenkins

**Cloud Platform** **:** Amazon Web Services(AWS)

**Configuration Management** **:** Ansible

**Container Technology** **:** Docker

**Scripting Technology** **:** Groovy, Shell

**Web Server** **:** Tomcat

**Code Quality Tool** **:** SonarQube

**Orchestration Tool:** Docker swarm and Kubernetes

**Monitering tool :** Newrelic

**Artifactory tool :** Nexus

**EDUCATIONAL QUALIFICATIONS**:

* Bachelor Degree from **Prakasam Engineering college** in the year of 2016.

**PROFESSIONAL EXPERIENCE DETAILS:**

* Worked as a DevOps Engineer for **HCL Technologies** from June 2019 .

**PROJECT SUMMARY:**

**Project #2**

Project **:** IMS (Insurance Management System)

Client **:** Royal Force Alliance

Role **:** DevOps Engineer

Environment **:**Git, GitHub, Maven, Jenkins, SonarQube, Nexus, Ansible, **Docker with**

**kubernetes,** Tomcat

**Description:**

**Royal Force Alliance** is one of the reputed insurance companies in UK. It provides a wide range of insurance policies such as life insurance, Fire insurance, Motor vehicle insurance, Accidental and Health care insurance etc. the main modules being contained in this project are Production Definition, Customer Services, Customer Policy, Cashier, Claims, Billing and Banking.My strategy in our's project is Production deployment process. Because, it is the entry point to start the business processes.

**Roles and Responsibilities:**

* Creating CI/CD pipelines by integrating **Git, GitHub, Sonarqube, Maven, Jenkins, SonarQube, Nexus and Docker.**
* Good experience in automating deployment **pipelines** using **GROOVY script**.
* Responsible for the set up and ongoing maintenance of **GIT** and Participated in Branching and Merging using **GIT**.
* Responsible for **Dockerizing** applications.
* Configuring the **Docker container** and creating Docker files for different environments.
* Experience in writing **Docker files**, docker compose files and also Responsible for managing the private repository**(Nexus)**.
* Responsible for creating & configuring **docker volumes**.
* Responsible for creating **kubernetes cluster**, implemented CI/CD using Jenkins &**kubernetes cluster** and deploying docker images in kubernetes cluster.
* Responsible for creating **Kubernetes manifest** files like Daemon sets, replication controller and Deployments.
* Experience in Implemented **Ansible** for the configuration management.
* Administered and Implemented CI/CD tool **Jenkins** for automated builds and Installing Plugins in **Jenkins** as per project requirements.
* Established coding standards and enforced them through automated tools (**SonarQube**).
* Involved in installing **Jenkins** on a **Linux** Machine and creating a **Master** and **Slave** Configuration to implement multiple parallel builds.
* Experience in using **tomcat** application which is running under Kubernetes cluster.
* Troubleshooting application related issues and providing logs to developers for further investigation.

**Project #1**

Project **:** Valero Energy

Client **:** Valero Energy Corporation

Role **:** JuniorDevOps Engineer

Environment  **:** GIT, Jenkins, Maven, SonarQube, Nexus, **Docker with docker swarm**

**Description:**

**Valero Energy Corporation** is a Fortune 500 international manufacturer and marketer of transportation of Fuels, other petrochemical products and Power. It’s Headquarter is in Texas, United states. This Company owns and operates with 16 refineries throughout the United states.In the process of transportation of fuels includes billing and dashboard services.My strategy is to maintain production deployment for dashboard services.

**Roles and Responsibilities:**

* Handling Build and Deployment process for Java based applications.
* Administration of **GIT** includes creating branches, tagging and access permissions.
* Analyze and resolve conflicts related to merging of source code for **GIT** and Automating the Build process using **GIT** and **Maven**.
* Automating build process by using CI/CD pipeline.
* Experience in writing Docker files and Responsible for **Dockerizing** Applications.
* Responsible for Configuring  **private repositories(Nexus)** to maintain Docker Images and also Responisible for creating and configuring **persistent volumes**.
* Strong experience in creating **docker swarmcluster** setup and deploying applications in docker swarm cluster.
* Implemented CI/CD using **Jenkins**, **Dockerwith docker swarm**, also Configured the **Nexus** Artifactory repo with **Jenkins**.
* Configured Unit Tests and Code Quality Analysis Tools like **SonarQube** with Jenkins.
* Involved in installing **Jenkins** on a **Linux** Machine. And creating a **Master** and **Slave** Configuration to implement multiple parallel builds.

**Madamanchi Venkatanarayana**