Madamanchi Venkatanarayana

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Professional Summary

Overall **3.2 years** of professional experience in IT Industry asec a DevOps Engineer in the field ofcxxrxrx3 automation, software configuration x xx dxee*e* and *xexxdxxd*xg2x xg21e2ct*xxe¹22c22txggtdcw*.

* Dockerized the Applications to reduce the cost and1q11qqtt13tecc1tteasy mainx1qxxrbttxb1qcg1qC1qgxgt1te.Manacndconfiguredtxtcc1tt1111ltg¹wwtttttwtb1tttttgc1tx

| gggc**ems Linux, windows** |
| --- |
| **Scripting Language Shell Scripting (Bash),Yaml, Groovy** |
| **VCS Tool’s Git, GitHub, Bitbucket** |
| **Build Tool’s Maven, Gradle** |
| **Code Quality SonarQube** |
| **Ticketing Tool’s Jira** |
| **Application Servers & Web Server Apache Tomcat & Apache** |
| **CI/CD Tools Jenkins (CI CD)** |
| **Artifactory Nexus** |
| **Configuration Tool’s Ansible** |
| **Container tool & Orchestration Docker, Dockerswarm, Kubernetes** |
| **Monitoring & managements Prometheus & grafana, Aws cloud watch** |
| **Cloud Platform AWS** |

**Professional Experience**

* Working as Software Engineer for **HCL Technologies**

**Highest Qualification**

* Bachelor of Technology (B.Tech) from JNT University Kakinada.

**Career Summary**

**Project #2**

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

Client **:** Royal Force Alliance

Duration : December’ 2021 to:⁠,⁠-⁠):⁠,⁠-⁠):⁠‑⁠X:⁠,⁠-⁠):⁠‑⁠X:⁠,⁠-⁠):⁠‑⁠X\*⁠\⁠0⁠/⁠\*:⁠,⁠-⁠):⁠-⁠\*:⁠-⁠\*:⁠-⁠\*:⁠-⁠\*:⁠-⁠\*:⁠‑⁠X:⁠‑⁠X:⁠-⁠D:⁠-⁠D:⁠-⁠D:⁠-⁠D:⁠-⁠D:⁠-⁠D:⁠-⁠D:⁠-⁠D:⁠-⁠D:⁠-⁠\*:⁠-⁠\*:⁠-⁠D:⁠-⁠\*:⁠-⁠\*:⁠-⁠D:⁠-⁠\*:⁠,⁠-⁠):⁠-⁠\*:⁠-⁠D:⁠‑⁠X:⁠-⁠D:⁠-⁠D:⁠^⁠:⁠'⁠(:⁠'⁠(:⁠'⁠(:⁠-⁠$\*⁠\⁠0⁠/⁠\*^⁠\_⁠^\*⁠\⁠0⁠/⁠\*:⁠'⁠(:⁠'⁠(=⁠\_⁠=:⁠-⁠\=⁠\_⁠==⁠\_⁠==⁠\_⁠=)\*⁠\⁠0⁠/⁠\*=⁠\_⁠==⁠\_⁠==⁠\_⁠==⁠\_⁠==⁠\_⁠=O⁠\_⁠o=⁠\_⁠==⁠\_⁠==⁠\_⁠==⁠\_⁠==⁠\_⁠==⁠\_⁠=P=⁠\_⁠=resent=⁠\_⁠==⁠\_⁠==⁠\_⁠==⁠\_⁠==⁠\_⁠=:⁠-⁠(>⁠.⁠<>⁠.⁠<

Role **:** DevOps Engineer

Environment **:**Git, GitHub, Maven, Jenkins, SonarQube, Nexus, Ansible, **Dockerwith 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.
  + Good experience in automating deployment **CI CD 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.
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  + Involved in installing **Jenkins** on a **Linux** Machine and creating a **Master** a0nd

**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

ClientValero Energy Corporation

Duration October’ 2019 to November 2021

Role Junior DevOps 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.

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