**DEVOPS ENGINEER**

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**Professional Summary:**

* Good knowledge on **Udeploy** tool. To deploy the version which are successful.
* Hands on experience with **Open shift red hat**. To check the Pods are running and logs of the application.
* Extensively worked with Version Control Systems **GIT**.
* Installation and configuration of **GIT**, merging code from develop branch to master branch and make it ready for deployment.
* Having good exposure on Continuous Integration (Jenkins), configuration management (Ansible).
* Installing Plugins in **Jenkins** as per project requirements.
* Had experience of automating **CI/CD** process using **Jenkins.**
* Had experience of writing **Jenkins file** to automate **CI/CD** Process.
* Having knowledge on **Docker** containerization tool.
* Had experience of writing **Docker files** to create **Docker Images.**
* Configured end-to-end delivery pipeline using **Git version control system**, **Maven**.
* Worked on instance root volume increase and creation of new volumes, attaching new volumes to existing instance and resizing existing volumes.
* Good understanding of **Software Development Life Cycle, Testing Life Cycle.**
* Ability to learn and master new technologies and also to deliver outputs in short deadline
* Knowledge on AWS services like **VPC, EC2, S3, EKS, EBS, LOAD BALANCER**

**Academic History:**

* Aurora Technological research institute, under specialization of Electrical and electronics Engineering, passed out in the year **2016**.

**Professional Experience:**

* Started working in Maveric as a DevOps Engineer Under CITI NAM project from **March 20th 2023** till **January 2024**.
* Previously worked as a DevOps Engineer in ALLIANCE TECHNOSOFT PRIVATE LIMITED from **October 2018** to **March 2023**.

**Technical Skills:**

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| **Operating Systems** | Linux, Windows |
| **Version Control Tools** | GIT |
| **Build Tools** | MAVEN |
| **CI Tools/Code Quality tool** | Jenkins / Sonar |
| **Configuration Tool** | Ansible |
| **Containerization** | Docker, Kubernetes |
| **Infrastructure tools** | Packer, Terraform |
| **Web Servers** | Apache Tomcat |
| **Cloud Technology** | Amazon Web Services(AWS)/CITI cloud |
| **Application Server** | Tomcat |
| **Scripting** | Shell Scripting |
| **Monitoring** | Prometheus and Grafana, Splunk |
| **Deploy tools** | Udeploy, Harness |
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**Project#1**

* Project Name: Communication Platform NAM
* Technology: Bitbucket, Udeploy,Jenkins, Harness, Red hat open shift, CAS inventory.
* Role: DevOps Engineer

**Description:**

The project is based on Communication platform, which includes various applications, which works for multilevel services of CITI. Our main goal is to deploy the application in successful manner. My work is on the project was release management, and to look after various other aspects as well.

**Responsibilities:**

* Mostly every month we will be having releases. We generate the release cycle with the help of CAMP report does automatic display of applications which are in vulnerable stage, so far we need to repave those application make user they are working fine.
* We use **Jenkins** as a build tool and **Udeploy** for the deployment purpose.
* Deploying the latest versions in UAT and dev.
* Once deployment get successful in both environments.
* we create a change request for the UAT and PROD.
* I have hands on experience using **Red Hat Open shift**, to check Pods weather they are working fine or not, and also to check logs of the applications.
* We swagger page to check the code quality, to look the response as 200.
* We also renew the certificates which are  expiring of both static and dynamic. We create CHG and inform to  renewal team.
* Search index in the **Splunk** page, with the help of Dash board, we can see how the application is working and there are any error which can seen alert in mail. And can check the application logs as well.
* Migration of pipelines from **Jenkins** to **Harness** for the CI part, for the CD part Udeploy to **tekton** in openshift.
* Writing the **Helm charts** for the applications for the applications to run in the Harness tool.
* Knowledge on Server upgrade of OS RHEL.

**Project#2**

* **Project Name :** AES Pre-Enrollment
* **Technology :** Git, Github, Docker, Jenkins, Tomcat, AWS, Linux, EKS
* **Role :** Devops Engineer

**Description:**

* It is a service cloud application deals with student enrollment process into Universities in USA. Enrollment Advisors (EA’s) are the actual end users who work with student records in the system. We developed the application in B2C model, as the EA’s deal with direct customers (Students).

**Responsibilities:**

* Experience on Amazon Cloud Computing web services like Elastic Compute cloud (EC2), Simple Storage Service (S3).
* Version control and source code management using the **GIT.**
* Installation and configuration of **GIT** and make it ready for deployment.
* Implemented the Continuous Integration server (Jenkins) for automate the build process for Maven projects.
* Installing Plugins in **Jenkins** as per project requirements.
* Creating new jobs in Jenkins and managing the build related issues.
* Installed Continuous Integration Server **Jenkins** as a service, configured the projects on Jenkins and automated the build, deployment and test execution on all the target platforms.
* Working with multiple jobs and perform deployment activities.
* Configured end-to-end delivery pipeline using **Git version control system**, **Maven**, Jenkins and **Tomcat** server.
* Configured Jenkins with git source code control management tool with webhook configuration and monitored the continuous builds for continuous deployment.
* Setting up JENKINS master, adding the necessary Plugins and adding more slaves to support scalability and agility.
* Extensive experience using MAVEN as build tools for the building of deployable artifacts (jar, war & ear) from source code.
* Created required **Docker files** needed to create **Docker Images.**
* Managed **Kubernetes clusters** to deploy Java based applications.
* Monitored running applications in Kubernetes clusters.

**Project#3**

* **Project Name : :** IBC UM Health Application
* **Technology :** Linux, AWS, EKS, Docker, Kubernetes, Jenkins
* **Client :** Highmark Health Insurance Organization
* **Role :** DevOps Engineer

**Description:**

* It is the largest health insurance company in United States. This project is to develop the UM application for Minnesota State Insurance organization by following Highmark application (Highmark Health Insurance Organization agreed to give support to Minnesota State Insurance Organization by building like HMK UM application according to policies of MN).

**Responsibilities:**

* Initiating Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu) and managing and configuring launched instances with respect to specific applications.
* Creating and launching EC2 instances using **AMI**’s of **Linux, Ubuntu, RHEL**, and Windows and wrote shell scripts to bootstrap instance.
* Setup and attached EBS volumes to EC2 Instances and setup, configured EIP to EC2 instances.
* Created snapshots to take backups of the volumes and also images to store launch configurations of the **EC2** instances.
* Created and configured elastic load balancers and auto scaling groups to distribute the traffic and to have a cost efficient, fault tolerant and highly available environment.
* Experienced in creating multiple VPC’s and public, private subnets as per requirement and distributed them as groups into various availability zones of the **VPC**.
* Installed Continuous Integration Server **Jenkins** as a service, configured the projects on Jenkins and automated the build, deployment and test execution on all the target platforms.
* Working with multiple jobs and perform deployment activities.
* Configured end-to-end delivery pipeline using **Git version control system**, **Maven**, Jenkins and **Tomcat** server.
* Configured Jenkins with git source code control management tool with webhook configuration and monitored the continuous builds for continuous deployment.
* Setting up JENKINS master, adding the necessary Plugins and adding more slaves to support scalability and agility.
* Extensive experience using MAVEN as build tools for the building of deployable artifacts (jar, war & ear) from source code.
* Created required **Docker files** needed to create **Docker Images.**
* Created manifest files needed to deploy an application in **Kubernetes.**
* Managed **Kubernetes clusters** to deploy Java based applications.
* Monitored running applications in Kubernetes clusters.