Lakshmi narasimha

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Professional Summary:

Having **4+** years of solid Experience as a "**DevOps/Build & Release Engineer"** on the **AWS cloud platform**. As a DevOps Engineer, Proficient in **AWS, Git, Maven, Jenkins, Docker, Jira, and Kubernetes,** and **Terraform.**

- Experienced in working on **DevOps/Agile** operations process and tools area (**Code review, unit test automation, Build & Release automation, Environment**, and Services etc.
- Experience in conceptualization and implementation of **CI/CD** pipeline using tools like **Maven / Jenkins /Git /antifactory /Docker /containers.**
- Manage team repository, Branches and code merges using SCM tools like **GIT.**
- Extensive experience using **MAVEN** as build tools for the building of **Deployable artifacts (jar & war)** from source code.
- Create and establish build process using **Maven** to perform builds efficiently and deployment of the application.
- Experience in Building **Continuous Integration (CI) & Continuous Deployment/Delivery (CD)-pipeline and Automation.**
- Experience in using configuration Management tools like **Ansible** etc.
- Having experience in creating **Docker** Container by downloading **Images** and running
- Experience in using **Nexus** Repository Managers for **Maven** and Ant build.
- Sound understanding, administration and implementation of Monitoring/Alerting tools and process flow **Grafana** etc.
- Hands experience on Kubernetes deployments and docker file creation and managing infrastructure.
- Strong experience on Docker and Kubernetes.
- Day to day job included handling **Tickets, Monitoring, Troubleshooting** and maintenance.
- Experience in using Bug tracking tool like **Jira.**
- Implemented Continuous Integration, Nightly, Branch Builds according to application releases using JENKINS

- Taking the backup of **S3** and attaching the **EBS** to instance.
- Managed Amazon Web Services like **EC2, VPC, EBS, S3 and IAM Roles through AWS Console**
- Experience in supporting applications on different platforms Windows and Linux environments.

WORK EXPERIENCE:

- DevOps Engineer in **IBM**, June 2022 to June 30 2023.
- DevOps Engineer in **Hitachi Vantara,** June 2021 to May 2022.
- DevOps Engineer in **TCS** , March 2018 to June 2021.

EDUCATION:

- **B. Tech** in Mechanical Engineering in **RVR&JC** College from Acharya Nagarjuna University.

SKILL SET:

SCM Tools	GIT, Git-hub, Bitbucket.
Build Tools	Maven
Continuous Integrated Tools	Jenkins
Configuration Management Tool	Ansible, Terraform
Containerization	Docker, Kubernetes
Monitoring Tool	Cloud watch, Datadog, Grafana
Artifactory storage	Nexus
Cloud Platform	AWS, HKE.

Major Assignment executed:

Project 2:

Project Name : Optimise prime
Position : DevOps Engineer
Environment : Jenkins, GIT, MAVEN, Unix/Linux, Windows, Jira.

Description:
Optimise Prime is the world's biggest trial of commercial EVs. It seeks to understand and minimize the impact the electrification of commercial vehicles will have on distribution networks. It will develop technical and commercial solutions to save customer costs (estimated to £207m savings by 2030) and enable the faster transition to electric for commercial fleets and private hire vehicle

operators. The project is also vital if the UK wants to meet its carbon reduction targets. The accelerated adoption of commercial EVs will save 2.7m tones of CO2, equivalent to London's entire bus fleet running for four years or a full Boeing 747-400 travelling around the world 1,484 times. The flexibility provided by the project will also free up enough capacity on the electricity network to supply a million homes.

Roles &Responsibilities:

- Automate jobs using CI/CD Pipeline.
- Integrated Maven with GIT to manage and deploy project-related tags.
- Worked on Nexus installation, integration, and artifact management.
- Maintaining Nexus as a Mirror repository for Maven created Builds.
- Performing DevOps for Linux and Windows platforms with varies open-source tools.
- Involved in Branching and tagging of code delivery at required releases.
- Involved in scheduling the automated build called Nightly Builds.
- Responsible for Branching and merging the code as per the schedule.
- Used MAVEN as build tool on Java projects for the development of buildartifacts from the source code.
- Installed and Configured the Nexus repository manager for sharing the artifacts within the company.
- Interacted with supporting teams to understand client deployment requests.
- Communicating with developers for build plan and build failures.
- Coordinate with the Development, Database Administration, QA, and IT Operations teams to avoid resource conflicts.
- Build, manage, and continuously improved the build infrastructure for software development engineering teams including implementation of build scripts, continuous integration infrastructure and deployment.
- Maintained and coordinated environment configuration, controls, code integrity, and code conflict resolution.
- Reported to a DevOps Manager, who coordinate with teams outside of the development group.
- Strong experience on Docker file creation and docker debugging issues-
- Hands on experience in Kubernetes deployments
- Interacting with developers to sort out issues related to Build Automation.
- Managing/Tracking the defects status using Jira.
- Performing Jenkins jobs node management.
- Implemented Cloud Environment Monitoring and logging using Cloud Watch.
- Co-ordination with other team members to resolve issues.
- Promoting code from one environment to another environment.

Project 1:

Project Name : HKS
Environment : Kubernetes, VMware, Maven, Linux
Position : Build and Release Engineer

HKS:

Hitachi Kubernetes service is a clous hosted SaaS control plane for managing Kubernetes clusters and their workloads. Hitachi Kubernetes Engine, a Kubernetes distribution maintained by Hitachi Vantara.

Product enables customers to utilize the HKS SaaS platform to securely deploy and manage HKE clusters into on-premise environment adding support for a bring your infrastructure approach. It should also enable HKE to target the UCP VMware stack to fast-track hardware sales engagement. An additional set of logging and monitoring for the control and admin components should be added. The capability should be designed and implemented with an Enterprise Security mindset and must incorporate the ability to deploy, monitor and manage the HKE end-points in the same way as those deployed into the public cloud.

Responsibilities:

- Deployed and monitored scalable infrastructure on Amazon Web Services (AWS) EC2.
- Maintained a farm of EC2 instances and S3.
- Manage configuration of Web App and Deploy to AWS cloud server.
- Worked with supporting different Environments with help of ansible to deploy applications in different target Environments.
- Built and managed a large deployment of Red-hat Linux instances systems with automation.
- Created Jenkins pipelines for automation job creation and integrated Jenkins through GitHub Authentication.
- Integrated Jenkins through GitHub Authentication.
- Enabling the Role based access to the Jenkins.
- Resolved build issues by adding the build profiles to maven configuration file.
- Enabling the SonarQube Quality gates for modules of the project to maintain code quality stability.
- Generated the SonarQube reports for the individual modules of the maven project.
- Configuring and enabling the SonarQube through Jenkins pipeline jobs.
- Integrated the Jenkins pipeline jobs to run the Sanity, Integration and System Test cases.
- Enabled git tagging through pipeline for every released component.
- Resolving the build issues and deployment issues.
- Migrated Jenkins version from lower to higher.
- Enabled the maven site generation for all the modules.