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| **DevOps Engineer**  Name: Koti Reddy  **E-mail:**  s.kotireddy1998@gmail.com    **Contact:**  91-7396516149    **TECHNICAL SKILLS:**  **Operating Systems:**  Windows, Linux  **Version Control:**  GIT Hub  **Build Tool:**  MAVEN  **Continuous Integration:**  Jenkins  **Scripting Language:**  SHELL Scripting  **Web Server:**  Apache  **Application Server:**  Tomcat  **Configuration Management:**  Ansible  **Ticketing Tool:**  Jira  **Cloud Environment:**  AWS  **Containerization Tool:**  Docker | 2+ years of IT Industry experience with Configuration Management, Deploy, Build and Release Management, AWS and DevOps Methodologies Expertise in **DevOps, Release Engineering, Configuration Management, Cloud Infrastructure, and Automation**. It includes Amazon Web Services (AWS), DOCKER, Kubernetes, Maven, Jenkins, Git Hub, Tomcat & Linux etc. Professional Summary   * 2+ years of experience in **DevOps** and **Build** **and Release Engineering** in **Automating, Building, Deploying,** and **Releasing** of code from one environment to another environment. * Worked on **SDLC** Methodologies like **Agile,** and other processes. * In-depth understanding of SCM activities like creating repositories, administrating activities, branching, repository back-ups, tagging etc. * Extensive experience on **Version Controlling** and **Source Code Management** tools like **GIT, GITHUB.** * Setup and Configure the continuous build system using Jenkins and Created CI/CD pipeline jobs for using Jenkins and integrating with tools GIT, Maven. * Developed and maintained end-to-end build scripts like build.xml, pom.xml for packaging the enterprise applications with ANT and Maven. * Extensive experience with **Continuous Integration** Tools like **Jenkins.** * Automating the application deployment in Dev., QA, UAT, Stage and Production environments. * Created Docker images using Docker files to support containerization of applications. * Dockerization of an in application running in VMs into containers. * Writing **Docker files** productive way reducing the size of the image. * Implementation of **Kubernetes customize** to customize deployed applications. * Working with Kubernetes helm and templatizing the deployments using helm charts. * Responsible for the building of entire Environment involving in Kubernetes cluster set-up in AWS cloud. * Hands on experience on cloud technologies like **Amazon Web Services** * Setting up and maintaining volumes of Docker Containers as a backup. * Multi containerization using dockers compose. * Orchestrating Docker containers using Kubernetes. * Involved in clustering of application servers using Kubernetes. * Experienced in DevOps practices using **AWS** and **Docker**. * Experience working on Docker hub, creating Docker images and handling multiple images primarily for middleware installations and domain configuration. * Having experience in writing Ansible Playbooks to automate the deployment process and to integrating Ansible Playbooks into Jenkins jobs for a continuous delivery framework. * Hands on experience on **Linux** environments.   Technical Skills   |  |  | | --- | --- | | Programming Languages | C,JSE,JEE | | Web technologies | Html,Javascript | | Operating Systems | WINDOWS FAMILY | | RDBMS | Sql server |   **Academic Project**    **Project Title:** **Sensitive Label Privacy Protection on Social**  **Network Data**  **Description:** Our project is motivated by the recognition of the need for a finer grain and more personalized privacy in data publication of social networks. We propose a privacy protection scheme that not only prevents the disclosure of identity of users but also the disclosure of selected features in users' profiles. An individual user can select which features of her profiles she wishes to concel.  . |

Professional Experience

* Working as a **DevOps Engineer** with **HCL TECHNOLOGIES PVT LTD – JULY 2019 to PRESENT.**

Educational Qualifications

* Btech (ECE) Passed out of 2019.

Projects

**Project #2**

**Client** **:** Truevalue

**Role :** DevOps Engineer

**Tools :** Git, Maven, Jenkins, Sonarqube, AWS, Docker, Kubernetes, Linux, Ansible

**Duration :** Nov 2020 to Present

**Responsibilities:**

* Mainly involved in configuring the Jenkins jobs and Designing the CI/CD Pipelines.
* Setting up the new build environment for various applications in Windows/Linux environment. Maintain server loads across all environments.
* Responsible in Installing and maintaining the GIT repositories of all sources and documents (Repository Maintenance).
* Creating project, branches and providing the access on them. Also setup tags/snapshots after each milestone release.
* Resolve the merge conflicts with the help of development teams and run sanity builds after every merge into Branch.
* Integrated Code Quality analysis tools like Sonar to Jenkins.
* Dockerization of an in application running in VMs into containers.
* Writing Docker files productive way reducing the size of the image.
* Implementation of Kubernetes customizes to customize deployed applications.
* Writing Kubernetes manifesto files for creating pods, Replica-sets, Services
* Monitoring and load balancing different environment micro services.
* Responsible for the building of entire Environment involving in Kubernetes cluster set-up in AWS cloud.
* Configuring master slave for both windows and Linux instances.
* Reducing the size of docker images by reducing the layers in Docker file.
* Writing Jenkins pipeline for propagating docker image for different environments.
* Communication set up between Cluster and the Slave by setting up the project and Communication between the same slave and the Jenkins server (Master-Slave).
* Configuring the Jenkins jobs for all the microservices, jobs related to container health check, taking heap dumps and threadumps of services.
* Responsible for deployments Into QA, UAT, staging and PROD environments.
* Deliver appropriate build, operations and support documentation (Release Notes) for the build and test environments.
* Builds are developed by using **MAVEN** tool and Jenkins is used in the Continuous integration server.
* Worked with the configured and maintained **Jenkins** to implement the CI process and integrated the tool with maven to schedule the builds.
* Launching Amazon **EC2** Cloud Instances using Amazon Web Services (Linux) and Configuring launched instances with respect to specific applications.
* Configured S3 versioning and lifecycle policies to and backup files.
* Worked on **Cloud watch** to monitor all the system performance in the infrastructure.
* Used the **Elastic load balancer** to direct traffic to all instance in the availability zone.
* Created **Docker** images from scratch and customized and modified base images from existing environment configurations and maintaining the image repo for development teams.
* Worked with **Docker** containers which are lightweight and fast for reducing the cycle time of development, testing, and deployment.

**Project#1:**

**Role** : DevOps Engineer (CI-CD)

**Tool**  : Git, Maven, Jenkins, Linux.

**Duration** : AUG 2019 – October 2020

**Responsibilities :**

* Mainly involved in building and deploying multiple J2EE projects and managing deployment versions.
* Creation of GIT branches, merging branches, granting permissions to the users.
* Installing Plug-in in Jenkins as per project requirements.
* Updating the Jenkins Jobs, Maven scripts, Shell scripts to deploy different flavors of application from Development to Production environments.
* Integrate Unit Testing, Code Coverage and Deployment tools with Jenkins and Maven.
* Scheduled the Jenkins jobs as per the requirement.
* Integrated Maven with Jenkins for the builds as the Continuous Integration process.
* Installed and configured the Tomcat application servers for Dev and Integration Test Environments.