**Devops Engineer (5 years of experience)**

Sindhuja GE

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**Professional Experience:**

* Developing Docker images to support Development and Testing Teams and their pipelines; distributed Jenkins and Ansible on docker images.
* Experience working with CI/CD implementation of Microservice based Architecture like **Kubernetes**.
* Designed and developed automated deployment and scaling process based on **Docker**, **Ansible** and **Kubernetes** for all services.
* Currently working as Devops and Build release Engineer at **Attra Infotech**, **Bangalore**
* Experienced in Devops, Build and Release Automation using **Terraform.**
* Producing detailed Release plans, control Release Scope and monitoring milestones.
* Experience in defining various branching, Labeling and merging strategies.
* Experienced in performing merges and branch management.
* Experienced in defining various build and release workflows.
* Excellent Customer Servicing skills.
* Maintain the code base across several versions.
* Maintain Build and Release Tools and develop new tools as required.
* Design and documenting Project configuration management and release processes.
* Automated nightly build, test, and reporting mechanisms.
* Prepare the code base for the build.

**Technical Skills:**

* **Linux, Unix, shell scripts.**
* **AWS cloud**
* **Kubernetes**
* **Docker**
* **Terraform**
* **Ansible**
* **GIT, GITHUB**
* **Jenkins**
* **Maven, Makefile, ANT**
* **Bugzilla, Jira**
* **Apache Tomcat**
* **Sonarqube, Nagios and Artifactory(JFrog)**

**Work Experience:**

**Company : Attra Infotech, June 2016 to Till Date**

**Technologies :Linux, Unix, AWS Cloud, Terraform, Shell Script, GIT, Maven, ANT, Makefile, Jenkins, Docker, Kubernetes, JIRA, Sonarqube, Artifactory (JFrog), Apache Tomcat, Ansible, Nagios**

**Team Size : 3**

**Roles and Responsibilities:**

* Developing **Docke**r images to support Development and Testing Teams and their pipelines with distributed Jenkins.
* Working knowledge of Container Management and Orchestration Software like Dockers, **Kubernetes** and Terraform.
* Involved in Dockerizing all the services and applications.
* Implemented testing environment for Kubernetes and administrated the Kubernetes clusters.
* Deployed and Orchestrated the applications with **Kubernetes**.
* Worked on IaC such as Terraform and Cloud formation. Infrastructure automation using **Terraform.**
* Implemented CI and CD using Jenkins and setup build pipeline using groovy.
* Responsible for creating branches, merging and resolving merging conflicts.
* Debug build failures and worked with developers and QA personnel to resolve related issues.
* Worked on **AWS cloud services like EC2, S3, VPC, ELB, code pipeline, code commit and code deploy.**
* Managing and monitoring build jobs from Jenkins.
* Worked on **Ansible** and written playbook to deploy build and maintain configuration of servers
* Setting up Jenkins build configurations for our project.
* Resolving Compilation, Environment and Linking Errors in the Builds.
* Responsible for weekly release, doing builds, doing sanity tests, writing sanity report and release notes..
* Worked on **Kubernetes.** Automating docker images for build pipelines Strong hands-on experience working with any of the container management tools like **Kubernetes**
* I setup Jenkins on docker now.
* Managing source code control of multiple development efforts using like **GIT and CVS** version control tools. Good experience in creating automated build scripts.
* Administered version control system: created accounts, branching, merging, patch fixes, snapshots, and trained users on the version control system. Managed daily builds and releases to QA.
* Writing shell scripts to automate manual and repetitive tasks. Responsible for modifying and tuning existing scripts.
* Enough understanding to debug or specifies major component areas where major bugs or build failures occur.
* Experience in Configuration management and release engineering in multiple projects and multiple-branches environment.
* Tuning existing scripts and written scripts to make my life easier in the work
* Giving knowledge to developers about version control and build/release concepts.
* Performed build and release of all software cycles engineering, test, production, update, patches, and maintenance. Wrote scripts in GNU make, Perl, bash to automate the build release processes. Debugged build failures.
* Worked on branching and merging. Creating branches for different teams. Merging branches periodically and according to requests from dev teams.
* Giving knowledge to developers about version control and build/release concepts.
* Involved in developing some shell script to make support work easier.
* Helping developer’s issues that are related to version control.
* Generate report and send an email to managers about status of daily builds and weekly builds.
* Instrumental in setting up projects involving creation of release specific branches, build environment and automate build according to development team’s requirements.
* Documenting SCM guide and responsible for maintaining it.
* Sharing knowledge with team members and new joiners.
* Responsible to patch builds, daily builds, weekly builds and resolving issues related to build failure.
* Automating build and release activities using shell scripting.
* Source code branching strategies and methodologies for development and releases.
* Managing automation for customer access permission on git servers.
* Design, implement, and maintain continuous build and deployment mechanisms.
* Managing build infrastructures environment setups and monitoring daily operations in Jenkins and enhancing/troubleshoot issues/problems.
* Identifying and driving automation of tasks associated with continuous integration and release process

**Project:** Provides software for network transformation and redefining network economics for Communications Service Providers (CSPs) by offering a comprehensive end-to-end product portfolio across every layer of the network infrastructure stack.

From 5G application / service layers to packet core and RAN – IBM leads the way in evolved, cloud-native networking solutions enabling innovative and secure experiences for end users

**Responsibilities:**

* Managing and monitoring build jobs from Jenkins.
* Setting up Jenkins build configurations for builds
* Involved in setting up the Jenkins builds
* Resolving Compilation with help of dev team, Environment and Linking Errors in the Builds.
* Identifying and driving automation of tasks associated with continuous integration and release process
* Revamping for existing build configuration to easily manageable and user friendly for automation.
* Managing GIT, Bugzilla Server administration for this project.
* Perform upgrades, new installations, enhancements and configuration changes
* Develop continuous Integration and branching strategies for Build and deployment
* Jenkins implementation/configuration for automated builds/releases/deployments on both Back-end and Front-end code
* High code quality standards are maintained by implementing Code Scan Utilities and automating the process with Build & Release Frameworks
* Configured plugins in Jenkins and setup master-slave to distribute load on different servers.
* Doing patch and Load builds. Debugging and fixing issues if there are any build failures.
* Responsible for merging branches and resolving conflicts.
* Responsible for Continuous integration and scheduling builds.
* Debugged build failures and worked with developers and QA personnel to resolve related issues.

**Environments: Linux/Unix, shell script, GIT, CVS, Maven, Makefile, ANT, Jenkins, Buildforge, Bugzilla, AWS, Ansible, Docker, Kubernetes, Terraform, Nagios, Artifactory,C/C++, Java**

**Academic Credentials:**

* BE - SRI JAGADGURUR MALLIKARJUNA MURUGHARAJENDRA INST OF TECH , CHITRADURGA - VISVESVARAYA TECHNOLOGICAL UNIVERSITY ,BELAGAVI
* PUC - BRUHANMATHA COMP PU COLLEGE, CHITRADURGA 577501 - KARNATAKA BOARD OF THE PRE-UNIVERSITY EDUCATION, BANGALORE
* SSLC - DON BOSCO HIGH SCHOOL , CHITRADURGA - Karnataka secondary education examination board

**DOB :**  04-06-1995

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