**Mahendra P**

**DevOps Engineer Reach me @** [**https://mahendradevops.site123.me/**](https://mahendradevops.site123.me/)

**+91 7483919701**

**mahendra17199@gmail.com**

**Professional summary:**

* Overall 4.5 years of experience in IT industry comprising of Devops – Build & Releasing & Automating and Deploying to servers.
* Hands on over Version Controlling Systems – GITHub, BitBucket
* Performed Merging, Branches/Tags creation, Managing users, Access control on **GITHUB**
* Working experience in continuous integration using **Git, GITHub, BitBucket, Maven, Jenkins.**
* Experience in setting up branching strategies to meet development and testing requirements.
* Worked on Jenkins by installing, configuring and maintaining for the purpose of **CI** & **CD** for End to End automation for all build and deployments.
* Experience in **Jenkins Pipeline (Groovy) Script**, for creating **CI/CD.**
* Integration, deployment and automation of application servers Tomcat, across Linux platforms.
* Good Hands on experience in creating Jenkins jobs, plug-in’s installations and other Jenkins administration activities.
* Good experience in Amazon Web Services environment and good knowledge of **AWS** services like Elastic Compute Cloud (EC2), Elastic Load Balancers, S3, Cloud Watch, AMI, Snapshot, VPC, SNS, IAM, Auto-Scaling, Route53,Security Groups**.**
* Installing and configuring applications on AWS **EC2** Instances.
* Good experience in creating, deleting and updating the buckets in **S3.**
* Creating & Building Portable Virtual Machines using **Vagrant**
* Communicating with Dev, QA, Delivery teams to discuss about build and release issues and plan the improvements accordingly.
* Monitor Nightly builds every day morning and update the respective dev team if there are any issues.
* Working experience on operating systems like Windows, Linux, UNIX.
* Good Knowledge with Docker container services with **Docker-Swarm, Kubernetes for Clustering**.
* Knowledge on Setting up **KUBERNETES** Cluster in various Environments like AWS, GCS, MiniKube, Play with Kubernetes.
* Integrated **SLACK** with Jenkins for Build Notifications.
* Knowledge on Creating **Jenkins Slave** to share work load.
* Integrated **Nexus** and **SonarQube** in Jenkins.
* Knowledge on **Ansible Ad-Hoc Commands** to perform Tasks on Nodes.
* Dockerized Applications by creating Docker images from Dockerfile.
* Integrated **Cat-Light** with Jenkins for Job Monitor purpose.
* Installation of software’s on various platforms like Windows, Linux & Ubuntu.
* Ability to learn and master new technologies and also to deliver outputs in short deadlines.
* Knowledge on CODE Build, CODE pipeline on AWS.
* Knowledge on Sonar cloud
* Knowledge on Terraform.
* Knowledge on Google Cloud

**Work Experience:**

* Working as a DevOps Engineer for **HCL Technologies,** Bangalore from Mar 2016 to July 2019
* Worked as a Trainee Engineer for **Swift Design Tech** from Sep 2014 to Aug 2015.

**Educational Qualification:**

* Bachelor of Engineering from JNTUA in 2014.

**Technical Skills:**

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| Version Control Tools | GIT |
| Web Based Version control services | GitHub, BitBucket, Code Commit. |
| Build Tools | Maven |
| CI/CD Tool | Jenkins (Hudson) |
| Configuration Management Tools | Ansible |
| Containerization Tool | Docker |
| Cloud Platform | Amazon Web Services, GCS. |
| Quality check tools | SonarQube, |
| Repository Management Tools | Nexus, JFrog Artifactory |
| Web-Server / Application server | Apache Tomcat |
| Operating system | Windows, Linux, Ubuntu |
| Orchestration tools | Docker-Swarm, kubernetes (K8s) |
| Other tools | Sublime text, Visual Studio Code, Virtual Box, Putty  Putty, Vagrant, CAT-LIGHT, |

**Project Details:**

**Company: HCL Tech**

**Client: Applied Materials Inc.**

**Role: Dev-Ops Engineer**

**Description**

Applied Materials, Inc. is an American corporation that supplies equipment, services and software to enable the manufacture of semiconductor (integrated circuit) chips for electronics, flat panel displays for computers, smart phones and televisions, and solar products.

**Responsibilities and Contribution:**

* Launching Amazon EC2 Cloud Instances using Amazon Images (Linux/Ubuntu) and Configuring launched instances with respect to specific applications troubleshooting the cloud instances like restarting, logs etc.
* Schedules by providing Release Engineering services to build, deploy, develop, Maintaining Branching Strategies & merge strategies, and build automated tools as necessary to offer services to teams.
* Deploying the software’s into EC2 instances.
* Terminating/Stopping/Creating EC2 instances using AWS Console.
* Involved in Branching, Tagging and Merging of code delivery at required releases.
* knowledge on AWS S3,EBS,ELB,Auto Scaling ,VPC
* Set-up DEV, QA, and UAT Environments.
* Build engineering automation and productivity tools to streamline deployment pipeline.
* Troubleshoot and resolve issues related to application deployment and operations.
* Automating the environment creation by Ansible
* Experience in installing and administrating CI tools like Jenkins, GIT & Maven etc for CI & CD.
* Installed, configured & administered Jenkins CI tool on Linux machines; setup Master-slave architecture to improve performance and used Jenkins for CI & CD into Tomcat Application Server.
* Participated in weekly release meetings with Technology stakeholders to identify and mitigate potential risks associated with the releases.
* Created POCs for new Projects.
* Used **Jenkins Pipelines** (Groovy Script) & **Jenkins FreeStyle** toautomate **CI & CD**
* Setup new build machines, Tomcat server and maintenance.
* Integrating Nexus and SonarQube with Jenkins.
* Resolving Git Conflicts.
* Used **Vagrant** to create Portable Virtual Environment
* Development, testing and implementation of customized solution in the overall process.
* Maintaining Maven Pom.xml and properties files.
* Automated repeated tasks by using Ansible.
* Managing patches/software upgrades in server.
* Knowledge on Multiple Branch Pipeline.
* Responsible for the set up and ongoing builds in Jenkins.
* Installing Plugins in Jenkins as per project requirements.
* Configuring Slaves in Jenkins. .
* Integrated Jenkins with Docker to build Images and run containers on servers.
* Involved in the Major Project Release.
* Maintaining Day and Night Builds and resolving the issues if the builds got failed.
* Stored Artifacts in S3 Bucket, Nexus.
* Documented release, builds and source control processes and plans and Support development engineers with Configuration Management issues.
* Used Bash scripts to automate the repeated tasks.
* Did Admin activities on Jenkins.
* Installing Plugins in Jenkins based on requirement.

**Project Details:**

**Company: Swift Design technology**

Swift Design Tech is a Vendor to Tata Motors that provide software & product support on various platform.

**Roles and Responsibility:**

* Responsible for providing support and assistance in initial installation of the system, setup and maintenance of the user account etc.
* Integrated and maintained GIT, Maven, and deploying to Tomcat manually
* Documenting the repeated tasks.
* Responsible for OS installation, system configuration and upgrades.