**DevOps Engineer**

***Sai Kumar .M***

***Contact:8919365809***

***Email: sirishsai9@gmail.com***

**Professional Summary:**

* Having 4+ years of IT experience as **Devops Engineer** and Software Configuration activities and deployment activities for web-based software applications.
* Proven experience on create Branching and Tagging concepts in Version Control tool like **GIT.**
* Excellent knowledge on **CI-CD** methodologies with **Jenkins.**
* Well versed in creating Jenkins file using **groovy script** for executing pipeline jobs.
* Executed Jenkins jobs in a distributed environment using **Master Slave.**
* Proven experience on Build Tools like **Maven.**
* Performed installation & configuration of **Tomcat** application server
* Having good implementation Knowledge on Continuous integration tools **Jenkins**.
* Extensive experience in **Automation**, working with the **Configuration management** tool **Ansible**
* Extensive knowledge in creating **play books**, **roles** in Ansible for configuration management of remote systems.
* Experience in working with **Amazon Web Services** (AWS), Creating EC2 Instances and configuring all web Services inside **VPC**.
* Ability of auto **sizing** and **resizing** the EC2 instances.
* Experience on attaching and de-attaching **elastic IP** to EC2 instances.
* Setup and attach **EBS** volumes to **EC2** Instances.
* Setup and manage the **Security groups to** **VPC** for specific Environment.
* Setup and managed backup and recovery using snapshot.
* Create **AMI** images of critical **EC2** Instances as backup using **AWS CLI** and GUI.
* Provide highly durable and available data by using S3 data store.
* Monitoring the bug, issue and project tracking tool **JIRA**.
* Hands on experience in **Docker** containers
* Extensively used docker for creating the **Dev** and **QA** environment.
* Experience in creating multiple container architecture using **docker compose**.
* Experience working on several Docker components like **Docker Engine, Hub, Machine, Compose and Docker Registry.**
* Implemented load balancing, auto scaling, failover of containers using **docker swarm.**

**Education:**

**B.Tech** computer science(CSE) from JNTUK.

**Technical Specifications**:

Version control system : Git, Github.

Build Tools : Mavan

CI-CD tool : Jenkins

Containerization : Docker

Configuration Management : Ansible

Application Servers : Apache Tomcat, Nginx.

Operating systems : Windows, Linux.

**Work Experience:**

Worked as **Devops Engineer** in  **Genpact**, Mumbai from September 2014 to Till Date.

**PROJECT 1:**

**Project : Internet Digital Marketing**

**Client** : FlipKart

**Environment :** Git, Maven, Jenkins, Apache Tomcat, Jira, Shell

**Role :** Build & Release Engineer

**Duration** : December 2016 to till date

**Description:**

Make sure that your site stands in the top 10 rankings in the top search engines like that of Google, MSN Bing, Yahoo etc. It will help you get the best place in search engine rankings and optimizing your website to get noticed.

**Roles & Responsibilities:**

* Created branches and tags using GIT.
* Responsible for tagging and maintain code on version control GIT.
* Monitored builds, GIT check-ins and administrated access management.
* Supported product release management and patch set release.
* Responsible for creating Builds and Deployments Plans.
* Creating War files using Maven.
* Automate the build and deployment Process Using Jenkins jobs.
* Creating jobs using Jenkins. Manage installations of node, deployment configuration, and administration, backup. etc.,
* Making Application, Reports and Script ready for the Release on time.
* Verify Deployments logs to check for successful deployments.
* Debugging Build & Release related issues.
* Making build and deployment automation enhancements, fixing bugs.
* Good Interpersonal Skills, team-working attitude, takes initiatives and very proactive in solving problems and providing best solutions.

**PROJECT 2:**

**Project Name** : Toronto-Dominion Bank (TD) Group

**Environment** : Java

**Server** : Tomcat

**Versioning Control Tools** : SVN

**Build Tool** : ANT

**CI Tool** : JENKINS

**Role :** Build and Release Engineer

**Duration:** September 2014 to November 2016.

**Description:**

The Toronto-Dominion Bank is a Canadian multinational banking and financial services corporation headquartered in Toronto. Here we have multiple banking applications for build and Deploy. Presently I am supporting both core and non-core banking applications for release management process.

**Roles and Responsibilities:**

* Creating branches and tags and maintaining source code in administration level.
* Creating the repositories and import the code into module levels.
* Creation of tags and branches.
* Maintain the access privileges to developers at repository level and branch level.
* Performing pre build activities & post build activities by coordinating with development teams.
* Enable the required plug-in in Jenkins.
* Doing the force builds, Schedule the builds.
* Writing shell scripts to automate the deployments in various environments.
* Following SCRUM (SDLC) model.
* Worked on defect tracking tool (JIRA).