**Sai**  **Devops Engineer**

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**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.**
* Proven experience on Build Tools like **Maven.**
* Performed installation & configuration of **Tomcat** application server
* Having good implementation Knowledge on Continuous integration tools **Jenkins**.
* installation procedures Packages.
* 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.**
* Extensive experience in **Automation**, working with the **Configuration management** tool **Ansible**
* Extensive knowledge in creating **play books** in Ansible for configuration management of remote systems.
* 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, Compose and Docker Registry.**
* Implemented load balancing, auto scaling, failover of containers using **docker swarm.**
* 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.

**Education:**

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

**Technical Specifications**:

Version control system : Git, Github.

Build Tools : Ant 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**, Bangalore from November 2014 to Till Date.

**PROJECT-1**

Project Name : Online Schooling

Client : Scholastic Corporation (U.S)

Role : DevOps Engineer

Duration : September-2016 to till date

Environment : Linux, Git, Jenkins, Apache Tomcat, Shell Scripting, Aws, Jira,

Docker , Docker swarm, Docker compose.

* Setup and maintain cloud based infrastructure (AWS).
* Creating new repositories and branches in existing repositories as per the requirement of the dev team.
* Configured Git to inform all the teams about the latest changes happening on it to avoid conflicts due to the push before pull issue.
* Launching EC2 instances in Amazon cloud.
* Creating Elastic load balance for applications.
* Creating EBS volumes and attaching to EC2 instances.
* Creating AMI’s from instances
* Automate build process used for Java applications using JENKINS.
* Configure Scheduled builds, Nightly builds in CI tool Jenkins.
* Worked on defect tracking tool (JIRA).
* Following SCRUM (SDLC) model.
* Deployed the java application into web application servers like Apache Tomcat.

**PROJECT-2**

Project : Citi bank

Period : Nov 2014 to August 2016

Role : DevOps engineer

Tools : Jenkins, GIT, Ansible, Aws, Docker

* Involved in Branching, Tagging and Merging of code delivery at required releases.
* Created Docker images using Docker files to support containerization of applications.
* Design AWS infrastructure based on the application requirements.
* Design and implemented Security using VPC, IAM, Security Groups and NACL.
* Gather customer requirements and translate the application requirements to provide AWS solutions.
* Creating new repositories and branches in existing repositories as per the requirement of the dev team.
* Configured Git to inform all the teams about the latest changes happening on it to avoid conflicts due to the push before pull issue.
* Automate build process used for Java applications using JENKINS.
* Configure Scheduled builds, Nightly builds in CI tool Jenkins.