JONNALA SAI KRISHNA   **E-mail: jsaikrishna18@gmail.com**

AWS/DevOps Engineer   **Mob No: +91- 8639840414**

Objective:

To work in a challenging environment through which I can utilize my skills and knowledge for the development of the organization and in turn my career.

Professional Summary:

- Around **2+** years of Experience as a **DevOps** Engineer and **AWS** & Software Configuration and Build Management Engineer that includes Environment setup, Build automation, scripting and deployments.
- Expertise in supporting multiple projects during builds and release activities.
- Excellent knowledge on Amazon Web Services like EC2, ELB, Auto Scaling, IAM, S3, VPC, EBS, SNS, Route53, RDS, and Cloud Watch etc.
- Setup, attaching and detaching EBS volumes. Setup, managed backup and recovery using Snapshot and Extensive Knowledge on creating AMI Workspaces
- Implementing and setting up Route 53 for AWS Web Instances, ELB & Cloud Front on AWS Environment.
- Backup and Restoring the RDS Snapshots, EBS Snapshots and Jenkins jobs artifacts into S3 bucket using through shell script.
- Hands on experience with version control tool like GIT.
- Experience on, GIT- Created branches, tagging, setting providing access permissions to the developers over branches and including branching and merge conflicts.
- Good working experience on Linux and Windows Operating Systems.
- Installed and configured Maven.
- Well aware of advantages of using build tool over manual builds.
- Good understanding of architecture of maven.
- Complete understanding of maven build life cycle and maven goals.
- Hands on Experience with Build Tool Maven to generate project Artifacts (jar, war) from source code.
- Good working experience in storing Artifactory.
- Installed and configured Jenkins in both windows and linux machines.
- Good hands on experience in integrating many tools with Jenkins like Git, Maven, Selenuium, Junit, Tomcat, Webservers.
- Installed and configured build tools like Maven and Ant and integrate with Jenkins.
- Hands on experience in automating build process using JENKINS CI Tool from scratch. Install Jenkins, created build jobs, Handle custom plugins, Administration and Migration activities.
- Good experience in designing and developing Jenkins deployments
- Good Experience in Continuous integration using the Pipeline (Decelerative) View.
- Good Hands-on Experience in creating Jenkins jobs, plugins installation and setting up distributed build using Master/slave concept.
- Good experience in deploying the artifacts in Tomcat Server.
- Performance testing for complex systems, Build Release and environment planning, designing, implementation for projects across different technologies.
- Supporting scheduled builds using scripts and tools.
- Troubleshoot the Application related issues in production & Non- production environments.
- Design, integration and deployment of Application servers – Tomcat Application Server across, Windows and Linux platforms.
- Familiar with Software Development Life Cycle (SDLC) process.
- Good knowledge on methodologies like Agile and waterfall model for project planning.

- Experience in end-to-end building and Deploying and configuring process and implementation from local QA environment to UAT and Production.
- Used tools like Docker for deployment automation.
- Docker installation and image setup.
- Creating custom image from a Docker File.
- Worked on docker containers and docker consoles for managing the application life cycle.
- Ability to accept challenge, learn and grown in good profession manner.
- Good Interpersonal Skills, team-working attitude, takes initiatives and very proactive in solving problems and providing best solutions.
- Good hands on experience in installing and configuration of Ansible.
- Good knowledge in dealing with inventory file and host patterns in adding hosts to inventory file and calling hosts.
- Extensively used Ansible ad-hoc commands instead of using ansible play books for each and every small tasks in ansible.
- Good knowledge in using multiple ansible modules as and when required and their usage.
- Complete hands on experience in writing YAML script in various playbooks.

Educational Qualification:

Bachelor of Technology from **Sasi institute of technology and engineering**, Tadepalligudem, Andhra Pradesh, in **2019**.

Work Experience:

Currently working as a DevOps Engineer in **CALVIN TECHNOLOGIES Pvt. Ltd**, Hyderabad, since SEP 2019 to till date.

Skill Set:

Version Control System tools	: GIT
Operating Systems	: Windows, Linux
Build Tools	: Maven
Web Server	: Httpd
Application Server	: Apache Tomcat
Continuous Integration Tools	: Jenkins
Containerization tool	: Docker
Configuration management tool	: Ansible

Project Details:

Project : Smatr (Home Automation Mobile Application)

Product Name	: Smatr (Sep 2019 to till today)
Technologies used	: Windows, Red Hat Linux, Tomcat, Aws, Git, Maven, Ansible, Docker, Jenkins, Jfrog Artifactory.

Description:
Smatr a home automation mobile application that turns all the manual switches to automatic and makes you control them from anywhere around the world.
Remote Access: The device is Wi-Fi enabled and can be control from anyplace where our

internet works.

Shared Access: The device control can be timely shared with our family or guests or anyone in secured way.

Schedule   : The device can be schedule to switch on and off by giving the particular time.

Roles and Responsibilities:

CI Activities*:*

- Setting up the new build environment for various applications in Windows/ Linux environment.
- Managed to organizational standards by maintaining the source code in GIT for various applications. Setting up the new Build Environment for various products in Linux Environment.
- Creating and maintaining the development and release branches on GIT.
- Using Maven as a build tool, I could automate the process of building artifacts.
- Implementing Jenkins continuous integration tool including installing setting the jobs/plans and setting up the tool for deployment.
- Involved in installing Jenkins on a Linux Machine. And creating a Master and Slave configuration to implement multiple parallel builds through a build.
- Participates in the design and implementation phases for new and existing products, with a focus on AWS technical knowledge for successful execution of the requirements.
- Measurement, optimization and tuning of system performance and ensuring that systems will run reliably and are highly available in a 24/7 production environment.
- Used Docker Container for running different individual services and optimizing the infrastructure cost.
- Automating the manual process if any, by writing the Shell scripts.
- Involved in deployment of the application using Tomcat.
- Primary responsibilities include Build and Deployment of the java applications onto different
- Environments like QA, UAT, pre-Prod and prod.
- Created the Repos in Jfrog Artifactory Repository Manager.

AWS Activities:

- Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu) and Configuring launched instances with respect to specific applications.
- Creating EC2 Instances
- Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed to reaching one or more AWS EC2 instances.
- Working on Multiple AWS instances, set the security groups, Elastic Load Balancer and AMIs, Auto scaling to design cost effective, fault tolerant and highly available systems.
- Configuring and Networking of Virtual Private Cloud (VPC)
- Used IAM to create new accounts, roles and groups.

Declaration:

I hereby declare that the above written particulars are best of my knowledge and belief.

Place:
Date: Signature