

**JONNALA SAI KRISHN**

**AWS/DevOps Engineer**

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**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 in **DevOps** and **AWS** & Software Configuration and Build Management Engineer that includes Environment setup, Build automation 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 on AWS Environment.
- Good knowledge in S3 services, like Versioning, Transfer-Acceleration, Cross region replication, Storage class and tiers.
- 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 various tools with Jenkins like Git, Maven, Junit, Tomcat, Web servers.
- Installed and configured build tools like Maven and Ant and integrate with Jenkins.
- Installed and configure java 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 activities.
- Good experience in designing and developing Jenkins deployments.
- Good Experience in Continuous integration using the Pipeline View.
- Good Hands on Experience in creating Jenkins jobs, plugins installation and setting up distributed build using Master/slave concept.
- Good experience in creating Jenkins roles and giving limited privileges.
- Good experience in deploying the artifacts in Tomcat Server and Docker containers.
- Performance testing for complex systems, Build Release and environment planning, designing, implementation for projects across different technologies.
- Supporting scheduled builds.
- 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.

- Experience in end-to-end building and Deploying and configuring process and implementation from local QA environment to UAT and Production.
- Good knowledge on methodologies like Agile and waterfall model for project planning.
- 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.
- Ansible vault to secure information like passwords and secret files.
- 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, with **64.81%** in **2019**.

### **Work Experience:**

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

### **Skill Set:**

|                                      |                  |
|--------------------------------------|------------------|
| <b>Version Control System tools</b>  | : GIT            |
| <b>Operating Systems</b>             | : Windows, Linux |
| <b>Build Tools</b>                   | : Maven          |
| <b>Web Server</b>                    | : Apache2, Httpd |
| <b>Application Server</b>            | : Apache Tomcat  |
| <b>Continuous Integration Tool</b>   | : Jenkins        |
| <b>Configuration management tool</b> | : Ansible        |
| <b>Containerization tool</b>         | : Docker         |
| <b>Code Coverage Tool</b>            | : SonarQube      |
| <b>Artifactory Repos</b>             | : Nexus          |
| <b>Monitoring Tool</b>               | : CloudWatch     |

### **Project Details:**

**Project: (Current project)**

|                     |   |
|---------------------|---|
| <b>Project Name</b> | Maplin  |
| <b>Role</b>         | Devops Engineer   |
| <b>Skills</b>       | Git, Maven, Jenkins, SonarQube, Ansible, Docker, Apache Tomcat, Linux, Aws. |

### **Description:**

Maplin Electronics is a retailer of electronic goods in the United Kingdom and Ireland. As of June 2017, there are 218 Maplin Electronics stores. The company operates an extensive online, telephone and mail order sales services and On 28th February 2018 Maplin went into administration placing 2,500 jobs at risk and on 25 Jun2018 all Maplin stores ceased trading. In August of 2018 Buy It Direct purchased the Maplin name and is making the Maplin themed website to open as an online only shop.

### **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.
- Creating docker files and creating docker images from docker containers stored in Docker Hub
- 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.
- Launching EC2 Instances, Scale up and scale down 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.
- Migrated and storing all kinds of object storage of my organization in to S3 bucket to provide durability and security.
- Enable versioning on some important data to provide security from accidental deletion and roll back to previous versions.
- Configuring and Networking of Virtual Private Cloud (VPC)
- Used IAM to create new accounts, roles and groups.
- Configured SNS notification at Auto-Scaling as well as Route-53 level get notification when server and VPC failure respectively
- Complete hands on experience with creating SNS topics, creating subscribers and adding subscriptions.
- Hands on experience in working with cloud watch to monitor all AWS services to maintain high availability and reduce downtime
- Aware of both default monitoring and detailed monitoring.

**Declaration:**

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

Place:

Date:

Signature