**DevOps-AWS Engineer**

**Name: Chandu Maharshi**

**Mail: chandumaharshi9138@gmail.com**

**Ph.: +918497979138**

**PROFESSIONAL SUMMARY:**

Having **2** yrs experience in the IT Industry as a **DevOps** and **AWS** Engineer. Possessing excellent programming skills summed up with strong knowledge in **Linux, Shell Scripting, DevOps, Jenkins, Maven, Git, Ansible, Docker, Kubernetes, Apache, Tomcat, Amazon Web Service s (AWS)**.

**Skill Summary (DevOps & AWS):**

Experience on working with **GIT** and **Git Hub** - Created Repositories, branches and providing access permissions to the developers over branches.

* Extensively worked on Jenkins for **CICD** and for End to End automation for all build and deployments using pipeline scripts and freestyle jobs.
* Monitoring daily builds and Verifying logs if build fails in Jenkins. Creating WAR Files Using the build tool **Maven**.
* Implementing a Continuous delivery framework using **Jenkins, Ansible, & Maven** in **Linux environment.**
* Deploying and Automated deployment of artifacts to various environments like DEV, QA, and UAT/STAGING through freestyle and pipeline script.
* Verify Deployment logs to check for successful deployments.
* Expertise in building automated CICD pipeline with the help of **Jenkins**.
* Good experience in Managing and backup the generated artifacts into **Nexus** Artifactory.
* Configured **Jenkins** nodes to build jobs & distributing the load of Jenkins server and achieved parallel builds using master-slave configuration.
* Good **Knowledge** in writing Terraform template files and modules to create, update, version and provisioning the AWS infrastructure.
* Good experience in writing **Ansible** Playbooks and deploying applications and provisioning Cloud services.
* Good Experience in containerization tool **Docker** and Configuring the customized **Docker** containers and creating **Docker** files for different environments.
* Good Experience in container orchestration tool **Kubernetes**. I am able to run stateless and stateful applications on k8s cluster and creating **Kubernetes** manifest files like **pod, services, daemon sets, replica sets, replica controller , deployments.**
* Using volumes to provide persistence storage to containers. Worked on scaling our apps using metrics.
* Good experience in **AWS** with provisioning & resource management and setting up Enterprise infrastructure on Amazon Web Services (AWS).
* Experience in configure AWS services **like VPC, EC2, Autoscaling, IAM, AMI, EBS, ELB, Cloud watch, RDS and S3.**
* Experience of configuring highly available, secure and robust VPC in AWS.Configured security groups, Network Access Control Lit, Routing Tables.
* Experience of configuring auto-scaling, Load Balancers to handle the load on servers.
* **Cloud Watch** for monitoring server metrics, creating alarms & integrating with **auto scaling** in AWS.
* Experience in Monitoring teams to identify and troubleshoot issues on servers using tools like **Nagios.**

**PROFESSIONAL EXPERIENCE:**

* Currently working as aDevOps Engineer in **Ciwin Systems Pvt Ltd** from Feb **2020 to** till date**.**

**EDUCATION:**

* B.sc (computers) from SK UNIVERSITY Anantapur 2020.

**TECHNICAL SKILLS:**

* Application Server : **Tomcat**
* Build Tools : **Maven.**
* (SCM) Tool : **Git, Subversion (SVN).**
* Continuous Integration (CI) Tools : **Jenkins**.
* Operating Systems : **Linux, Ubuntu, Windows.**
* Scripting Languages : **Shell Script.**
* Web Server : **Nginx, Apache.**
* Configuration Management Tools : **Ansible.**
* Cloud services : **AWS.**
* Monitoring Tools : **Cloudwatch**
* Command Line Editors : **VI, Vim, Nano.**
* Container Tools : **Docker , Kubernetes**

**PROJECT DETAILS:**

**Project #2:**

**Project : CUNA Mutual Group - Madison, WI**

**Role : DevOps Engineer**

**Environments : Jenkins, Git, Linux, Maven, Shell script, Ansible, Docker,**

**Kubernetes, AWS.**

**Duration : March 2021 to till date.**

**Description:**

CUNA Mutual Life Insurance Company is a leading provider of retirement solutions, including fixed and variable annuities and life insurance for individuals. Guarantees are backed by the financial strength and claims-paying ability of the issuing company.

**Roles & Responsibilities:**

* Coordinate/assist developers with establishing and applying appropriate branching, merging conventions using **GIT** source control.
* Configured and maintained **Jenkins** to implement the **CI** process and integrated the tool with **Ant** and **Maven** to schedule the builds and automated the deployment on the application servers using the “code deploy” plugin for Jenkins.
* **Continuous Delivery** is being enabled through **Deployment** into several environments of Test, QA, Stress and Production using **Jenkins**.
* Automate the builds and deployment of **projects** using Jenkins.
* Implement, maintain and support reliable, timely and reproducible builds for project teams
* Hands on experience in automating builds and deployment process using Shell scripting.
* Setting up EC2s, Creating VPCs, modifying route tables accordingly, Creating ELBs and configuring them to work on the service ports as per the application’s need.
* Experience working on several Docker components like Docker Engine, Hub, Machine and Docker Registry.
* Created Docker files and build images and push to the Docker private registry
* I am creating **Kubernetes** manifest files like **pod, service, daemon sets,** **replica sets, replica controller, and deployments.**
* Involved in fixing the **Bugs** in the build script.
* I worked on build tools such as Maven and I worked on configuration Management tools as Ansible and to deploying the packages in to servers.
* Manage configuration of Web App and Deploy to **Ansible.**
* Experienced with Nagios, Cloud Watch as IT Infrastructure Monitoring tool .

**Project#1:**

**Project : Motorola India**

**Role : Build & Release Engineer**

**Environments : Linux, GIT, GitHub, Maven, Jenkins, Docker and AWS.**

**Duration : Feb 2020 to Mar 2021.**

**Description:**

A messaging technology defined for wireless hand-held devices to seamlessly send and receive content-rich messages by following the MMS Encapsulation protocols defined by the OMA(Open Mobile Aliance) standards for message encapsulation, the Internet MIME and WAP Multiparty standards for bundling multimedia objects into a Message and using the standard HTTP over TCP/IP, WAP and Push over SMS or over IP as basic transport mechanism, over the 2.5G and 3G wireless bearer technologies like GPRS and UMTS to achieve high speed transmission of messages of the order of 100 Kilobytes.

**Roles & Responsibilities:**

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* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux) and Configuring launched instances with respect to specific applications.
* Setup/Managing Linux Servers on Amazon (EC2, EBS, ELB, Security Groups, RDS and IAM).
* Branching, Tagging, Release Activities on Version Control Tools: Git Hub.
* Installing and configuring Jenkins on a Linux machine and created a Master and Slave configuration to implement multiple parallel builds through a build form. Configured plugins in Jenkins to interact with the other tools and scripts.
* Manage Build and Release requests using Jenkins and managing plugins.
* Build Java Code in different Jenkins servers as per the schedule.
* Configured and maintained Nexus remote repository for deploying the artifacts and war files.
* Implemented Docker to set up local Development environment
* Setting up the Docker private registry
* Created Docker files and build images and push to the Docker private registry
* Set up the local development environments through Docker containers for new developers

I declare that the information given above is true to the best of my knowledge

**Place: Bangalore Chandu Maharshi**