**DEVOPS & AWS ENGINEER**

**Naasa**

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**Summary:**

Having 4**+** years of 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, Terraform, Apache, Tomcat, Amazon Web Service s (AWS)**.

**Professional Summary:**

* Having **around 4**+ years of experience as a **Build and Release/DevOps Engineering** automation, build, deploy and release process with various environments.
* Manage **versioncontrol tool Git** to version code changes to help developers/programmers branch/merge/revert code.
* Experienced in design and maintenance of the **GIT** repositories
* Developed Build and Release management - **GIT, Maven, and Jenkins administration.**
* Responsible for nightly and weekly builds for different modules in **Jenkins**.
* Used **ANT** and **MAVEN** as a build tools on java projects for the development of build artifacts on the source code.
* Install and configure the static analysis tool like **SonarQube** in Dev. region to generate the reports.
* Configured Elastic Load Balancers with **EC2** Auto scaling groups.
* Implemented AWS solutions using **E2C, S3, EBS, Elastic Load Balancer, and Auto scaling, Cloud Watch**, **RDS, and EKS.**
* Optimized volumes and EC2 instances.
* Configured **S3 versioning** and lifecycle policies to and backup files and archive files in Glacier.
* Used **IAM** to create new accounts, roles and groups.
* Created monitors, alarms and notifications for EC2 hosts using **Cloudwatch.**
* Created utilities to monitor continuous integration process (job failure rate, disk usage), coded changes in Git & job failures in Jenkins.
* Experience in creating life cycle policies in AWS S3 for backups to Glacier.
* Experience in assisting Applications & teams across Remote and Local geographical locations as part of Support experience in creating complex **IAM** policies for delegated administration within AWS.
* Worked on core AWS services such as Setting up new server (EC2) instances/services in AWS, configuring security groups, and setting up Elastic IP's, auto-scaling configuration.
* Responsible for operational support activities to ensure availability of customer websites hosted on AWS cloud infrastructure using Virtual private cloud and public cloud.
* Set up the scripts for creation of new snapshots and deletion of old snapshots in S3 using S3 CLI tools.
* Worked on setting up the life cycle policies to back the data from AWS S3 to AWS Glacier.
* Worked with Amazon IAM console to create custom users and groups.
* Deployment automation using **Jenkins** and **Ansible**.
* Automation experience in a language like **shell**.
* Configuration management tool experience with **Ansible.**
* Experience deploying and supporting continuous integration and continuous delivery using **Jenkins**.
* Implementing a Continuous delivery framework using **Jenkins, Ansible, & Maven** in **Linux environment.**
* I have good knowledge on **Kubernetes** regarding automated deployments, scaling and management of containerized application across cluster of hosts.
* Having a good experience with installation and configuration of **Kubernetes** cluster and managed deployments and services in **Kubernetes**
* Good Experience to develop images using **Docker** container Technology.
* Experience in Monitoring teams to identify and troubleshoot issues on servers using tools like **Nagios.**
* Having Good experience on **Terraform.**
* Hands on experience in creating infrastructure in AWS using T**erraform**
* Experience using automation tools using **Terraform**

**EDUCATION:**

* B.Tech Electronics and Communication Engineering at JNTU Kakinada in 2015.

**PROFESSIONAL EXPERIANCE:**

* Currently working as a DevOps Engineer in mind tree from Des 2019 to till now.
* Worked as a Build & Release Engineer in virtusa from may 2017 to Apr 2019.

**Technical Skills:**

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| **Operating Systems** | Windows, Red Hat Linux,Centos,Ubuntu |
| **Application Server** | Apache Tomcat |
| **Version Control Tool** | GIT , GitHub, |
| **Continuous Integration Tool** | Jenkins |
| **Code Review Tool** | Sonar cube |
| **Build Tool** | Maven,Ant |
| **Containers** | Docker |
| **Container Orchestartion** | Kubernetes |
| **Configure management Tool** | Ansible |
| **Cloud Environment** | AWS. |
| **Monitoring Tools** | Nagios, Cloudwatch. |
| **Bug Tracking Tool** | Jira |
| **Artifactory repos** | Nexus, jfrog |

**Project Details:**

**Project: #2**

Project Nam : Cync Devops Project

Role : DevOps and AWS Engineer.

Environments: Jenkins, Git, Linux, Maven, Shell scripting, Ansible, Docker, Kubernetes, AWS.

**Description:**

Cync is a commercial loan monitoring software application designed to provide a fresh and innovative solution for commercial lending, asset based lending, and factoring. Highly scalable and secure, Cync is deployed through the Cloud as a Software-as-a-Service (SaaS) model. It allows portfolio managers or other capital providers to manage borrowers’ loan-supporting financial records 24/7 from anywhere via a secured internet connection. Cynciscompetitivelypricedona“PayasyouGo”basiswithnolargecapital expenditure and you get an all-in-1 solution, no added cost plug-ins.

**Roles and Responsibilities:**

* Setting up **EC2s**, Creating **VPCs**, modifying route tables accordingly, Creating ELBsand 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 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 .
* 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.
* 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.
* **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.

**Project -1**

Project Name : Travel RP

Role : Build and Release engineer

**Description:**

Travel RP is a Booking Engine, Which can be prepared as an atomic place for doing booking of Air and Non-Air transportation, Hotels, Sightseeing, cruise like different modules are involved. It’s a fully automated booking system where the user can get the details of availability and fares from online /offline mechanism through GDS and private data base. The system provides the facility to set up the product; company, client and supplier based on the contract policies and also concentrate different business.

Responsibilities:

* Created best practices for branching & Merging Strategy to maintain the source code in the GIT version Control Systems.
* Responsible for creating branches, merging and resolving merging conflicts.
* Implementation/setup continuous project build and deployment delivery process using Subversion, Git, Jenkins, Tomcat.
* Administered the automatic build process to ensure correct build execution, and resolved the build issues.
* Configuring new jobs in Jenkins as per the requirement from dev team.
* Automated build & deployment and CI process for many projects from scratch. Wrote build files and created jobs in Jenkins.
* Configuration of nodes/slaves for Jenkins to optimize and smooth running of build jobs.
* Configuration of Build Automation tools and Continuous Integration concepts by using tools like ANT, Maven, Jenkins. .
* Was involved in creating Docker Containers, images & taking back-up of images in Docker-Hub.
* Amazon Web Services (AWS) and with the configuration of various Amazon products (Amazon EC2, Amazon IAM, Amazon AMI, Amazon S3 , ELB ,Auto Scaling)
* Creating Ansible playbook.
* Configuration of Ansible and creating run-list for each node.
* Configuration of Groups, roles and creation and assign to particular node.