NAME: RAJKUMAR   DevOps Engineer

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PROFESSIONAL SUMMARY

- Having 4+ years of experience in **DevOps (Software Configuration Management), Build** and **release engineer** and **continuous integration engineering** activities

- Deep knowledge of **CI** (Continuous Integration) and **CD** (Continuous Deployment) methodologies with Jenkins
- Build Management – Experience in tools such as **Jenkins, Maven, Nexus, Jfrog** for build management
- Hands on experience with Configuration Management Tools such as **ChefTerraform**and **Ansible**
- Worked for **Agile** Projects
- Familiar with Software Development Life Cycle **(SDLC)** processes.
- Knowledge in Amazon Web Services **(AWS).**
- Familiar with AWS **IAM, EC2, VPC, LB, ASG, Snapshot, EBS, AMI, LC, Cloud Watch Monitoring**,**Data dog.**
- Experience in Installing, configuring and maintaining **Apache/Tomcat** Application Servers.

- Database Configuration experience on **MySql**
- Hands scripting with **Shell BashPython** Scripting,
- Hands experience on Amazon EC2 cloud deployments using DevOps tools like **Jenkins** and **(chef/ansible)**
- Extensive Experience in Jenkins master-slave for multi machine builds.
- Hands on experience with SCM tools like Git for branching, tagging and version management
- Setup code repositories Like **GITHUB,BITBUCKET**and managed plug-ins for Jenkins for scheduled automatic checkout of code.
- Extensive experience in using **MAVEN** as build tools for building of deployable artifacts (**jar,war& ear**) from source code.
- Created build slaves, configured and maintained build jobs for build automation and release process in **JENKINS**.
- Experience at DevOps Engineering in automating, building, deploying, and releasing of code from one environment to other environment like **DEV,QA**, Staging and Production.
- Experienced with continuous integration, continuous delivery, continuous deployment and continuous monitoring.
- Managed Dependency Management within the teams by installing and configuring **Nexus** Repository Manager.
- Hands on experience in creating **Chef Recipes**, **Cookbooks** for Redhat Server and Application deployment automation.
- Having experience in creating custom **Docker images** using **Docker Containers**.
- Proficient in deployment of various Applications (WAR and JAR) in domain
- Experience in designing, building and maintaining an automated build and release environment.
- Knowledge on **Python Scripting**.

- Good presentation, customer support and trouble shooting skills & experience in providing 24x7 supports. Proficient with container systems like Docker and container orchestration like EC2 Container Service, Kubernetes, worked with Terraform.
- Managed Docker orchestration and Docker containerization using Kubernetes.
- Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
- Hands on experience with code coverage tools like SonarQube.
- Hands on Linux Administration (Installation, Configuration & Troubleshooting)
- Hand on experience in delivering container-based deployments using Docker
- Having knowledge on setting up and managing **Docker private repository.**
- Having knowledge on Docker Networking
- Having knowledge on Docker Clustering using Swarm
- Hands on experience on Cookbook development for the automation using Chef
- Hands on experience in creation of Virtual Environments using Vagrants

Skill Set

Operating System	**Linux, Windows**
Cloud	**AWS,GCP,AZURE**
Version Controls	**GIT,SVN**
Build Tools	**Maven**
CI Tool	**Jenkins**
Artifact Tool	**Nexus, JFROG**
Code Quality Tool	**Sonar-Qube**
Ticketing Tool	**Jira,SERVICE NOW**
Configuration Tool	**Chef, Ansible,TERRAFORM**
Containerization	**Docker**
Scripting	**Python Scripts, shell scripting**

PROFESSIONAL EXPERIENCE

- Currently working with **UST GLOBAL** as a **DevOps Engineer**fromJAN -2017to Till date

EDUCATIONAL QUALIFICATION

- **Completed M.Tech From JNTU-Hyderabad** with an aggregate of 71.4%

PROJECT 2 : Current Project

- **Project   :Comcast**
- **Environment : Linux, AWS, Git, Maven , Jenkins,Nexus, Sonar Qube, Chef, Docker,Kubernatee**
- **Operating System:Red Hat**

Description:

Comcast Corporation is an American global **telecommunication** that is the largest broadcasting and cabletelevision company in the world by revenue. It is the second-largest pay-TV company after AT&T,

largestTV company and largest home Internet service provider in the United States, and the nation's third-largest hometelephone service provider.

Roles &Responsibilities:

- ✓ Creating repositories, new users for **GIT** and give the permissions to users to access repository.
- ✓ Create branches and participating in merging.
- ✓ Helping users on Day to Day activities involving Check In, Check Out, View problems.
- ✓ Taking back up on time of the **Git** repository.
- ✓ Setup and maintain system-monitoring using Nagios
- ✓ Setup and maintain log-monitoring using Elastic Search, LogStash and Kibana
- ✓ Support the engineering teams regarding CI/Build tools, Environments and Automation.
- ✓ Involved in Branching, Tagging and Merging of code delivery at required releases
- ✓ Manage branching & merging of releases for Parallel development.
- ✓ Maven used as build tool to build a source code.
- ✓ Creating War/Jar files using Maven.
- ✓ Installation and configuration of **Jenkins** CI tool.
- ✓ Manage re-architecture of Jenkins and implemented Jenkins slave
- ✓ Configure Jenkins/Hudson jobs for nightly and milestone builds.
- ✓ Automate the build Process Using **Jenkins jobs**.
- ✓ Responsible for Maintaining/Administration of **Jenkins** Continuous integration Tool.
- ✓ While building the code used **Nexus** as corporate repository.
- ✓ Managing Continuous Integration and Continuous Delivery using Jenkins and test code quality using**SonarQube.**
- ✓ Develop continuous delivery product release pipelines, using tools such as **Jenkins** and enable release and operations automation using **Chef**.
- ✓ Work with Development Teams and Testing Team to establish a build schedule, execute the builds and troubleshoot build failures.
- ✓ Deploy and monitor scalable infrastructure on configuration management using**Chef**.
- ✓ Writing Cookbook's using Recipes and Creating Environment and Roles, Templates
- ✓ Developed and Maintained Cookbooks and Recipes for Configuration Management using **Chef**.
- ✓ Installed Chef-Server Enterprise On-Premise/Workstation/Bootstrapping the Nodes Using **Knife**.
- ✓ Testing Cookbook using Test **kitchen**.

- ✓ Help Development teams automate the environment setup using tools like Ansible/Chef
- ✓ Setup DEV, QA and UAT environments for every sprint using Chef/Ansible
- ✓ Build engineering automation and productivity tools to streamline deployment pipeline
- ✓ Troubleshoot and resolve issues related to application deployment and operations
- ✓ Working with cross functional, geographically distributed team to provide 24X7 deployment support across multiple environments
- ✓ Created **Docker images** using **Docker files** to support containerization of applications.
- ✓ Configuring the **Docker containers** and creating Docker Compose for different environments.

- ✓ Proficient with container systems like **Docker** and container orchestration like **EC2 Container Service**, **Kubernetes**, worked with **Terraform.**
- ✓ Implementing Containerization (**Docker**) for application launching containers and images.
- ✓ To create the Users and Policy's by using **User Management Access** in AWs.
- ✓ Application Hosting purpose we are using **Elastic Cloud Compute (EC2)** in AWS
- ✓ To store the Data always in bucket format by providing **Simple Storage Service (S3)** in AWS
- ✓ Automation purpose we are using **Python Scripts**.
- ✓ Performing deployments to multiple environments like Dev, QA, Staging & Production environment.

PROJECT 1 :

- • **Project**   :   **American International group (AIG)**
- • **Environment**   :   **Linux,SVN, Maven, Jenkins, Nexus**
- • **Operating Sys**   :   **Red Hat**

Description :

American International Group, Inc., also known as **AIG**, is an American multinational **insurance** corporation with more than 88 million customers in 130 countries. As of 2015 AIG companies employed around 65,000 people. AIG provides insurance products for commercial, institutional, and individual customers. AIG Life and Retirement provides life insurance and retirement services in the United States.

Roles & Responsibilities:

- ✓ Involved in creating the company's DevOps strategy in a mix environment of Linux RHEL servers along with creating and implementing on Virtual Environments.
- ✓ Responsibilities include developing complex build, test, provision, secure and deployment systems and providing support to a large community of developers and testers.
- ✓ Creating repositories, new users for **SVN** and give the permissions to users to access repository.
- ✓ Create branches and participating in merging.
- ✓ Helping users on Day-to-Day activities involving Check In, Check Out, View problems.
- ✓ Taking back up on time of the **SVN** repository.
- ✓ Created **MAVEN** build script which performs compilation of the code and generate the application artefacts.
- ✓ Resolved build and release dependencies in collaboration with other departments.
- ✓ While building the code used **Nexus** as corporate repository.
- ✓ Verify Deployment logs to check for successful deployments. Deploy the artifacts into **Nexus** Repository.
- ✓ **Jenkins** is used as a continuous integration tool for automation of daily process.
- ✓ Automate the build process using Jenkins jobs. Monitoring daily builds using CI tool **Jenkins**. Verifying logs if build fails.
- ✓ Develop scalable build, test and deployment systems in virtualized environments and Conduct DevOps Process Planning.
- ✓ Responsible for Maintaining/Administration of **Jenkins** Continuous integration Tool.
- ✓ Creating and maintaining **Jenkins Jobs**.
- ✓ Provided 24x7 production support and development environments. Ability to communicate requirements effectively to team members and manage applications.Proficient with container systems like **Docker** and container orchestration like **EC2 Container Service**, **Kubernetes**, worked with **Terraform.**