**DEVOPS ENGINEER**

**Name Name**

**Phone**: +91-xxxxxxxxxxxx **Email:**[**xxxxxxxxxxxxxxxxx@gmail.com**](mailto:xxxxxxxxxxxxxxxxx@gmail.com)

**Professional Summary:**

* Proficient in AWS services like **VPC, EC2, S3, RDS** and configuring security groups.
* Creation and administration of **AWS** resources and different services (Launching Instances and Amazon machine images, Creating elastic load balancers, Creating security groups for instances).
* Extensively worked with Version Control Systems **GIT**.
* Installation and configuration of **GIT**, merging code from develop branch to master branch and make it ready for deployment.
* Having good exposure on Continuous Integration (Jenkins), configuration management (Ansible).
* Installing Plugins in **Jenkins** as per project requirements.
* Having knowledge on **Docker** containerization tool.
* Good knowledge on advanced concepts like Auto Scaling and Load balancing.
* Configured end-to-end delivery pipeline using **Git version control system**, **Maven**, **CI** tool Jenkins and **Tomcat** server.
* Worked on instance root volume increase and creation of new volumes, attaching new volumes to existing instance and resizing existing volumes.
* Good understanding of **Software Development Life Cycle, Testing Life Cycle.**
* Ability to learn and master new technologies and also to deliver outputs in short deadline

**Academic History:**

* B-Tech (CSE) from xxxxxxxx college of engineering and technology in the year **xxxx**.

**Professional Experience:**

* Currently working as a DevOps Engineer for **xxxxxxxxxxxx** from **July xxxx** to **Till date**.

**Technical Skills:**

|  |  |
| --- | --- |
| **Operating Systems** | Linux, Windows |
| **Version Control Tools** | GIT |
| **Build Tools** | MAVEN |
| **CI Tools/Code Quality tool** | Jenkins / Sonar |
| **Configuration Tool** | Ansible |
| **Containerization** | Docker, Kubernetes |
| **Infrastructure tools** | Packer, Terraform |
| **Web Servers** | Apache, Tomcat |
| **Cloud Technology** | Amazon Web Services(AWS) |
| **Application Server** | Tomcat |
| **Scripting** | Shell Scripting |

**Project#1**

* **Project Name :** AES Pre-Enrollment
* **Technology :** Git, Github, Chef, Jenkins, Tomcat, AWS, Linux
* **Role :** Devops Engineer

**Description:**

* It is a service cloud application deals with student enrollment process into Universities in USA. Enrollment Advisors (EA’s) are the actual end users who work with student records in the system. We developed the application in B2C model, as the EA’s deal with direct customers (Students).

**Responsibilities:**

* Experience on Amazon Cloud Computing web services like Elastic Compute cloud (EC2), Simple Storage Service (S3).
* Version control and source code management using the **GIT.**
* Installation and configuration of **GIT** and make it ready for deployment.
* Implemented the Continuous Integration server (Jenkins) for automate the build process for Maven projects.
* Installing Plugins in **Jenkins** as per project requirements.
* Creating new jobs in Jenkins and managing the build related issues.
* Installed Continuous Integration Server **Jenkins** as a service, configured the projects on Jenkins and automated the build, deployment and test execution on all the target platforms.
* Working with multiple jobs and perform deployment activities.
* Configured end-to-end delivery pipeline using **Git version control system**, **Maven**, Jenkins and **Tomcat** server.
* Configured Jenkins with git source code control management tool with webhook configuration and monitored the continuous builds for continuous deployment.
* Setting up JENKINS master, adding the necessary Plugins and adding more slaves to support scalability and agility.
* Extensive experience using MAVEN as build tools for the building of deployable artifacts (jar, war & ear) from source code.

**Project#2**

* **Project Name :** IBC UM Health Application
* **Technology :** Linux, AWS
* **Client :** Highmark Health Insurance Organization
* **Role :** AWS Cloud Engineer

**Description:**

* It is the largest health insurance company in United States. This project is to develop the UM application for Minnesota State Insurance organization by following Highmark application (Highmark Health Insurance Organization agreed to give support to Minnesota State Insurance Organization by building like HMK UM application according to policies of MN).

**Responsibilities:**

* Initiating Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu) and managing and configuring launched instances with respect to specific applications.
* Creating and launching EC2 instances using **AMI**’s of **Linux, Ubuntu, RHEL**, and Windows and wrote shell scripts to bootstrap instance.
* Setup and attached EBS volumes to EC2 Instances and setup, configured EIP to EC2 instances.
* Created snapshots to take backups of the volumes and also images to store launch configurations of the **EC2** instances.
* Created and configured elastic load balancers and auto scaling groups to distribute the traffic and to have a cost efficient, fault tolerant and highly available environment.
* Experienced in creating multiple VPC’s and public, private subnets as per requirement and distributed them as groups into various availability zones of the **VPC**.
* Created S3 buckets in the AWS environment to store files.
* Configured s3 to host static web content.
* Configured **S3 buckets** with various life cycle policies to archive the infrequently accessed data to storage classes based on requirement.
* Used **IAM** for creating roles, users, groups and also implemented MFA to provide additional security to AWS account and its resources.
* Implemented domain name service **(DNS)** through route 53 to have highly available and scalable applications.
* Maintained the monitoring and alerting of production and corporate servers using **Cloud Watch** service