**Ravikanth Mobile: +91- 8367033242**

**Cloud and DevOps Engineer** **Email: ravi.devps81**[**@gmail.com**](mailto:Pradeepkumaryalla1993@gmail.com)

|  |
| --- |
| **Career Objective:-** |

Having **4.5+ Years** of professional experience as a **Software Engineer** which includes project setup, Build Automation, Continuous Integration, SCM process improvements and GIT environment setup**.**

|  |
| --- |
| **Professional Summary :-** |

* Creating and maintaining the repositories in **GIT/Github**.
* Experience in Build tools like **Maven**.
* I have good experience on **Jenkins**. Creating **CI-CD** pipelines, Bamboo administration which includes plug-in management, configuring tools, backups, jobs cleanup.
* Worked on **Jenkins** by creating jobs and Build and deployment using the same.
* Good working experience in building and deploying Java web applications on tomcat server in UNIX environment.
* Good experience in containerization tool using **Docker**.
* Good experience on creating **Dockerfile**.
* Good experience in static code analysis tool **Sonarqube**.
* Having good experience on **Sonatype Nexus** for artifactory management.
* Having good knowledge on **Kubernetes**.
* Experience in setup and build **AWS** infrastructure various resources, **EC2, VPC, S3, IAM** and **Auto scaling.**
* Building instances and managing storage on cloud using **AWS EC2** and **AWS S3.**
* Having in-depth knowledge of Clustering, Load Balancing, High Availability and Disaster Recovery, Auto Scaling.
* Good knowledge in Micro Services, Container based architecture and the corresponding deployment tools and techniques.
* Knowledge on Monitoring tools like Nagios.
* Having knowledge of SDLC and be able to work in Agile methodologies.
* Self learner, individual contributor and work in smaller teams.

|  |
| --- |
| **Education Qualification:-** |

* **B.Tech** from **Jawaharlal Nehru Technological University**, Hyderabad – 2017.

|  |
| --- |
| **Technical Skills:-** |

**Platforms :** Ubuntu, Linux

**Virtualization :** Docker, AWS (EC2, AMI, S3, IAM, ELB)

**Languages :** Shell scripting

**Source Code Management :** Git & Github.

**Continuous Integration :** Jenkins.

**Build tools :** Maven.

**Web and Application Servers :** Apache2, Apache Tomcat.

**Monitoring Tools :** Cloud watch, Prometheus, Grafana.

**Databases :** MYSQL.

**Bug Tracking & Testing tool :** Jira

|  |
| --- |
| **Experience :-** |

* Working as a software engineer in **TECH MAHINDRA** from **July 2020** to **Till date**.

|  |
| --- |
| **Projects and Work Experience:-** |

**Project 2:**

|  |  |
| --- | --- |
| **Project**  **Client** | **: Roster**  **: Tech Mahindra** |
| **Skills Used** | **:** AWS, Git, GitHub, Jenkins, Maven, Apache Tomcat, Terraform, Docker, and Kubernetes |
| **Duration** | **:** November - 2022 to Till Date |
| **Role** | **:** DevOps Engineer |

## Client:

* This project is designed such a way that it is compatible for medical Billing activities. It helps hospitals in storing & tracking of patient information and generating claims for the services provided to patients.These claims are to be approved by the Medicare and invoices are generated for the raised and sanctioned amounts.

**Roles & Responsibilities:**

* + Designed, configured and deployed **Amazon web services (AWS),** Defined **AWS Security services** as virtual firewalls to control the traffic on **EC2** instances for multitude of applications utilizing the Amazon Web Services focusing on high- availability, Fault Tolerance and auto-scaling.
  + Configured Aws identity access management and security groups, users in public and private subnets in **VPC** for improved log in authentication.
  + Installed and configured applications on **AWS EC2** instances and stored them in **S3** buckets, configured S3 Versioning andlife cycle policies to back up files into Glacier.
  + Configured AWS virtual private cloud and data base subnet groups for isolation of resources within the **amazon RDS**

in Aurora DB cluster.

* + Supports Conagra complex system configurations and standards for **Citrix, VMware** platforms
  + Assess, recommend, plan, and implement complex VDI / App Delivery Virtualization projects using various technologies.
  + Configured and provisioned AWS infrastructure components, including **Auto-Scaling** for EC2 instances, **IAM, Elastic Load Balancer**, **S3**, Glacier, **CloudFront**, **RDS**, **VPC**, **Route 53**, **CloudWatch**, **SNS**, and **EBS**, using **Terraform** to implement infrastructure as code.
  + Used **Docker** to containerized Micro services in cloud and managed clusters using Docker Swarm and **Kubernetes**. Developed Private cloud system solution on **Core OS** using **Kubernetes**.
  + Integrated AWS Code commit with **Jenkins**, for continuous integration and deployment, this automates the deployment of new revisions of applications i.e., whenever there is a code change, **Jenkins** used to build the **WAR** file and deploy to the Application Server (AWS EC2 instance).
  + Worked with best practices and processes **Agile scrum** methodology, **JIRA** program Management [JIRA scrum], JIRA dashboard customization, JIRA release management, JIRA test management, **JIRA training**.
  + Developed build and deployment scripts using **MAVEN** as build tool and automated the build and deploy processes using Jenkins to move from one environment to other environments and Used GIT as Source code repository.
  + Responsible for Supporting 24\*7 for both Production and Non-Production Environment.

**Project 1:**

|  |  |
| --- | --- |
| **Project Name** | **: NextGen 911** |
| **Client** | **:** **Tech Mahindra** |
| **Role** | **:** DevOps Engineer |
| **Duration** | **:** July -2020 to October -2022 |
| **Environment** | : GIT, Tomcat, Linux, Maven, Nexus, Jenkins, Docker, Terraform, AWS. |

* Setting up the new build environment for various applications in Linux environment.
* Managed to organizational standards by maintaining the source code in GIT for various applications.
* 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.
* Used AWS services like EC2, S3, EBS and ELB for building infrastructure.
* 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.
* Actively monitor and administer the applications and hosting environment to increase efficiency, improve reliability, and minimize downtimes.
* Measurement, optimization and tuning of system performance and ensuring that systems will run reliably and are highly available in a 24/7 production environment.
* Used Docker Container for running different individual services and optimizing the infrastructure cost.
* Managing/Tracking the defects status using JIRA.
* 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.
* Production environment support activities which include major release or emergency hot fix deployments, scheduling and coordinating with client regarding Operational Job Cycles or any activities.

**Declaration**: I hereby confirm that the details furnished above are true to the best of my knowledge.

**(** S.Ravikanth**)**