

Name: Ravinder Reddy IRENI

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Profile summary:

- Qualified **DevOps/AWS** Engineer with almost 3 years of 1 month professional and Experience enthusiastic to automation
- Cloud and optimization. Understands and manages between operations and development to quickly deliver code to customers in the most effective way. In-depth understanding of the principles and best practices of Software Configuration Management (SCM) processes, which include building, compiling, packaging, deploying and Application configurations. Experience with the Cloud, as well as DevOps automation development for Linux systems. Seeking for a position in AWS/ DevOps, to contribute my technical knowledge

ProfessionalSummary:

- Workings on various version control tools, Build tools Continuous Integration Tools, Devops tools and automation tools
- Experience in Cloud, DevOps and Linux and Experience in DevOps Tools like **Git, Maven, Jenkins, Ansible, Terraform and Docker and Kubernetes.**
- Hand on experience in delivering container based deployments using **Docker** and **Kubernetes** Experience in writing manifest files for **Deployment, Service, Pod, Daemon Sets, Persistent Volume (PV), Persistent Volume Claim (PVC), Storage, Namespaces.**
- Strong experience with version control systems such as **GIT** including branching and merging strategies
- Deploying and release of code from one environment to another
- Experience in **continuous Integration (CI)** setup using **Jenkins**. Configured multiple jobs, created distributed builds, and performed plug-in Installations
- Hands on experience in modification changes and automate the **Jenkins** pipeline scripts
- Experience on **Maven repository** architecture
- Hands on Experience in using configuration management tools like **Ansible**
- Experience on AWS and its services like AWS **IAM, VPC, EC2, EBS, S3, ELB, Auto Scaling, CloudWatch, VPN, Route 53, VPC peering**
- Created alarms and trigger points in **Cloud Watch** based on thresholds and monitored the server's performance, CPU Utilization, disk usage
- Hands on experience in Cloud infrastructure Provisioning using **Terraform**
- Knowledge in Infrastructure Create using **Terraform** templates to create custom sized **VPC, subnets, NAT, EC2** instances, **ELB** and Security Groups and also Ec2 machines creating.
- Having knowledge on **SSH** connections and password less authentication between two servers
- Hands on experience with Configuration Management Tools such as **Ansible**.
- Extensive Experience in Jenkins master-slave for multi machine builds
- Hands on Experience in writing **playbooks** and creating **Roles** for Scalability and Reusability in Ansible
- Integrate **SonarQube** to run as a part of Jenkins build job and deploy with different environments

- Good understanding in Configuring Different jobs like **Freestyle** and Pipeline Projects and Multi Branch Project
- Experience in Handling Backup, Upgrading versions and **Plugin Management** of Jenkins .
- Experience in Installing, configuring and maintaining **Apache Tomcat Application** Servers.
- Experience on deploying artifacts like **JAR, WAR**, and **EAR** into application servers Apache Tomcat and Web logic servers

Working Experience:

Working as Devops Engineer in **Tech Mahindra** from **2017 Dec** to **till date**.

Education Qualification:

Bachelors of Mechanical Engineering in JNTUH 2018

Technical Skills

Configuration Management	Ansible,
Release management tools	Jenkins
Containerization Tool	Docker
Orchestration Tool	Kubernetes
SCM	GIT
Build Tools	Maven
Web/App Servers	Tomcat & Nginx & Apache2
Infrastructure Tool	Terraform
AWS Services	IAM, VPC, EC2, EBS, RDS, S3,ELB, Auto Scaling, CloudWatch
Operating System	Linux and Redhat
Scripting Language	Shell Scripting,

Project Name : Best Buy Tracking Service
Client : Best Buy Canada
Designation : DevOps / AWS Engineer
Period : Jan 2018 to Feb 2020

Roles & Responsibilities

- Creating repositories, new users for **GIT** and giving the permissions to users to access repositories
- Resolving **GIT** Merge conflicts, creating Branches and client control
- Taking backup on time of the **GIT** repository
- Involved in modification Changes and automate the **Jenkins** Pipeline Scripts.
- Implemented the Continuous Integration server (**Jenkins**) for automating the build process for maven
- **Maven** is used as a build tool to build source code
- Automated the application build procedure and deployment using Jenkins and ansible .
- Setting up the **Ansible** Master and Ansible Nodes
- Responsible for writing **Ansible playbooks** for installing the packages and configuring,

updating the remote servers. Reusable and scaling of by using **Ansible roles** .

- Installed and Maintaining **Docker** and **Kubernetes** Environment.
- Writing Custom Docker files and Implementing Docker Multi-Stage build techniques for light weight **Docker images** .
- Configuring the **Docker** containers and creating docker files for different environments
- Created Docker container images by tagging and pushing the images to **Docker private registry**.
- Involved in deploying the docker images by using **Kubernetes** .
- Maintaining the **kubernetes** cluster and Pods and creating users, service accounts as per the requirements.
- Working with the application development team for maintaining the **Config maps** and **Secrets**.
- Maintaining the high availability of the applications by Health checks using **Liveness** and **Readiness Probes**, **Init Containers** .
- Worked on Docker container **snapshots**, removing images, and managing **containers**.
- Work with Development Teams and Testing Team to establish a build schedule, execute the builds and troubleshoot build failures .
- Hands on experience in Jenkins creating the Upstream and Downstream Jobs .
- Setup and maintain cloud based infrastructure **Amazon Web services** .
- Scheduling backup of Instances or its **EBS volumes** as per requirement .
- Modify the resources of instances like **CPU**, **RAM** or **Disk** as per user requirement.
- Experience in creating the Load balancers attaching the ec2 instances . and also creating the **auto scaling groups** are automate the increasing the virtual machines depends on the **metrics** CPU utilization .
- Creating alarms in Cloud Watch service for monitoring the server's performance, CPU Utilization, disk usage etc .
- Having hands on experience in **JIRA** Tool .
- Maintaining **EC2** services like launching instances, attaching volumes, configuring security group, monitoring.
- Performing deployments to multiple environments like **Dev**, **QA**, **PER**, **UAT** & Production environment
- Configured and managing security groups ,VPCs, ELBS .

Project Name: Nielsen Survey

Client : Nielsen (USA)

Designation : Devops/AWS Engineer .

Period : March 2020 to Till date

Roles & Responsibilities:

- Created a fully Automated Build and Deployment Platform using **GIT**, **Jenkins**, **Maven**, **Ansible**, **Tomcat**.
- Jenkins is used as a continuous integration tool for build and deployment of JAVA code.
- Installed, configured, and administered **Jenkins** tool on **Linux machines**.
- Integrated **GIT** , Apache Maven into Jenkins to automate the code check-out and Build process.
- Responsible for the Plugin Management and Jenkins Server **Backup** and **Upgrade**.
- Artifactory Server is used as a source for artifacts needed for a build, and a target to deploy

- **artifacts** generated in the build process .
- Installed and Configured **SonarQube** Tool for code coverage, Code Quality Tests .
- Write Ansible Playbook for Continuous deployment for applications into **Apache Tomcat Application Server** .
- Write several Ansible Playbooks for the Automation that was defined through tasks using YAML format.
- Responsible for writing **Ansible playbooks** for installing the packages and configuring, updating the remote servers. Reusable and scaling of by using **Ansible roles** .
- Worked with Infrastructure as a code tool like **Terraform** to create destroyable resources in AWS for easily **Dev, Test** Environments for cost optimization .
- Implemented Terraform backends and Remote state storing at **S3 Bucket** .
- Used **Amazon Route53** to manage DNS zones and give public DNS names to Elastic load balancer .
- Used **EC2, Auto-scaling** and VPC to build secure, for highly scalable and flexible systems.
- Creating **alarms** in Cloud Watch service for monitoring the server's performance, **CPU** Utilization, **disk** usage etc .
- Responsible for Maintaining smooth. **Build and Release Management Process**.
- Troubleshoot and resolve issues related to Build operations .

Declaration:

I here declare that the information furnished above is true to the best of my Knowledge

Place :

yours sincerely ,

Date :

(Ravinder Reddy)