Ramesh Kesunukurthi

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Professional Summary:

- Hands on experience in AWS provisioning and good knowledge of AWS services like EC2, S3,IAM,VPC,Security Groups.
- Worked with IAM service creating new IAM users & groups, defining roles and policies and Identity providers.
- Terminating/Stopping/Creating EC2 instances using AWS Console.
- Creating/managing volume snapshots, attaching to EC2 instances and mounting it for use.
- Having a knowledge on creating the NAT gateway and preventing the access from outside internet
- Included security groups, Internet Gateways and Elastic IP's to ensure a safe area for organization in **AWS** public cloud.
- Creating the files & directory permissions in Linux
- Creating soft link and hard link to the files for easy access
- Creating User Account and management
- Experience with Version Control Tool like GIT
- Experience with Configuration Management automation tool Ansible and has worked on integrating Ansible YAML Scripts.
- Used Ansible for configuring and managing multi-node configuration management over SSH.
- Experience with Jenkins as Continuous Integration / Continuous Deployment Tool.
- Used MAVEN as a build tool on java projects for the development of build artifacts like war files
- Configured and Deployed application packages on to the Apache Tomcat server. Coordinated with development teams and QA teams.
- Configuring the Docker Containers and Creating the Docker files for different Environments

Technical Skills:

- **Cloud Services**   : EC2,VPC,VPC Peering,S3, IAM ,EBS,Security Groups,ECR
- **Version Control Tools**   : GIT,GIT HUB
- **CI/CD Tool**   : Jenkins
- **IAC Tool**   : Terraform
- **Config Management Tools** : Ansible
- **Containerization Tools** : Docker
- **Web/ Application Servers** : Apache Tomcat
- **Build Tool**   : MAVEN
- **Operating Systems**   : Windows Family, RHEL,CentOS

Work Experience:

- ➤ **Company**   : Tata Consultancy Services

  Project 2   : BIS

  Experience   **:** Nov 2022 to Apr 2023

  Client   **:** Experian

  Role   : AWS Devops Engineer

Responsibilities:

- Supporting to the Multiple teams for issues facing on AWS environment
- Migrating Data from on-premises to AWS
- Taking snapshots of HBase tables from Datafabric, Exporting the Snapshots to S3 location and Restoring the Snapshot from S3 Location to Particular HBase EMR cluster
- Copying Required HIVE Data to the AWS UAT & AWS PROD Environments
- Creating the Backup snapshots and tables in HBase
- Exporting the Huge Data from on-premises to AWS using Snowball Devices
- Exporting the Required HBase snapshots from EMR Cluster to S3
- Giving support to my team when they struck with any issues
- Modifying the shell scripts according to the requirements for Data Migration

  Project 1   : Cloudera Frontend Migration to AWS

  Experience   **:** Feb 2022 to Sep 2022

  Client   **:** Experian UK., London

  Role   : AWS Devops Engineer

Responsibilities:

- Having experience in creating custom Docker Images using Dockerfile.
- Having experience with ECR for pushing and store the Docker images
- Creating the IAM Policies and attached to the roles.
- Creating a customized images for Sagemaker using Docker.
- Created custom image to bring our own packages, files and kernels for use with sagemaker notebooks, terminals and attached to Amazon Sagemaker Studio.
- Installing the required packages into the Sagemaker notebooks
- Created the R-Image with R-kernel. So the users don't need the R-studio license for accessing and testing the R-environment
- Download and copying the Required Jars file to pyspark for accessing the Data in S3 Buckets for sagemaker users
- Writing some shell scripts for Lifecycle configuration in sagemaker studio to automatically download and install the packages & Syncing the Data in S3 Buckets to the particular folder in local. Whenever the user starts the notebook or restart the notebook.
- Creating the Notebook Instances as per the Internal requirement
- Using Cloudwatch for finding the errors and trying to resolve those errors.

➤ **Company**   : Tata communications
   Experience   : Sep 2019 to Nov 2021
   Client   : Vodafone Idea
   Role   : Devops Engineer

Responsibilities:

- Creating/managing volume snapshots, attaching to EC2 instances and mounting it for use.
- Creating /Stopping/Terminating EC2 instances using AWS Console.
- Configured AWS EC2 Instances using AMIs and launched instances with requirements of specific applications
- Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu/RHEL) and Configuring launched instances with respect to specific applications
- Working with IAM to create new accounts, roles, and groups.
- Creating the NAT gateway and preventing the access from outside internet
- Included security groups, Internet Gateways, and Elastic IP's to ensure a safe area for organization in AWS public cloud.
- Setup and install dedicated Jenkins servers for each project.
- Experience with Jenkins as Continuous Integration / Continuous Deployment Tool
- Automated build and deployment using Jenkins to reduce human error and speed up production processes.
- Installing and configuring Jenkins, installing plug-in, configuring security, creating master and slaves for implementation of multiple parallel builds.
- Written playbooks to automate the deployment process using Ansible.
- Used Ansible for configuring and managing multi-node configuration management over SSH.
- Install and updating the packages using the Ansible playbooks
- Managing the applications using Ansible
- Copying and downloading the particular files using Ansible playbooks
- Experience in Docker for creating docker images, containers, Docker files, tagging and pushing to the repositories.
- Using Terraform for Creating the AWS infrastructure like EC2 instances, Security Groups, ,S3 Buckets

➢ **Company**   : Cyient
   Experience   : Apr 2015 to Aug 2019
   Role   : GIS / Telecom Engineer

Responsibilities:

* Communicating the customer on deliveries and queries.
* Quality check/Quality Analysis/Delivery of the Telecom Network data as per customer requirements.
* Study and Analyze the Inputs data received from client.
* The objective of this task is to update the Coax/Fiber data in day to day updated as-built plans in Marlin Application
* Involved in Planning and estimating the schedule as per customer requirements.

➢ **Company**   : NSB BPO
   Experience   : Jan 2014 to Mar 2015
   Role   : Hardware and Networking engineer (Part-time experience)

Responsibilities:

* Installing and configuring windows operating system and application packages for PC
* Assembled, tested and repaired computer hardware and software.
* Network establishing (cable laying and straight / cross cable crimping).
* Troubleshoot and maintained network equipment's.
* Creating Subnetting and Assigning IP address

Educational Qualifications:

* BSC (Electronics & Computer's) in 2013 With CPGA 6.67 From Andhra university.