Raj Vinay

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Profile Summary:

Working Experience of 3.8 Years in **DevOps Environment**, **Amazon Web Services** and Linux platform

- Expertise in DevOps Tools
- Core skills on DevOps(Jenkins, Docker, Kubernetes)
- AWS skills (S3, RDS, IAM, EC2, VPC, AMI, Auto Scaling Group, Load Balancer, EBS Volumes, Aws Cloud Watch)
- Having knowledge on Kubernetes.
- Having Good Knowledge on Creating Pods by using Kubernetes Definition file and running containers in Pods.
- Setting up Docker Host, configuring Docker containers from Docker images, creating Docker images from Docker file.
- Having Experience in creating Custom Docker Images
- Having very good experience in working with creating, inspecting, storing and deleting volumes in Docker
- Having experience in port mapping in Docker.
- Good knowledge in pulling and pushing Docker images from and to Docker hub.
- Installed and configured Jenkins on Linux machines(Ubuntu and Centos)
- Hands on experience in automating CI&CD pipeline using Jenkins.
- Having very good knowledge EC2 like launching windows and Linux machines and all five types of Elastic Block Storage (EBS) volumes and their differences.
- Launched Load balancers from AWS and attached to webservers to distribute traffic as well as to check the health of EC2 instances to make sure that they are always up and running.
- Extensively used Launch configurations and Auto Scaling to provide high availability to EC2 machines and effectively used scaling policies based on web traffic.
- Hands on experience in creating Snapshots to take back up copy of our EBS volumes.
- Created AMIs and Volumes and played with them like attaching, detaching, creating own AMIs for replication of same environment in same/different Availability Zones as well as same/different regions.
- Enabled versioning on some important data to provide security from accidental deletion and to roll back to previous versions.
- Enabled CRR (Cross Region Replication) to replicate data to other buckets which are present in different regions.
- Launched static web sites for testing purpose by using S3 static website hosting option instead of going always with EC2s, Load balancers and Auto Scaling.
- Complete hands on experience in managing IAM service.
- Used roles mainly to establish password less connection between S3 and EC2 for the data migration.
- Good Hands on experience in VPC peering to connect multiple VPCs so that all act as one single entity.
- Good experience on working with Hosted zones, creating record sets and routing policies such as failover and geolocations.
- Good Experience on creating CloudWatch Dashboards for monitoring the launch services.
- Good experience on creating SNS topics for sending notifications based on CloudWatch Metrics.

- Created VPC from the scratch and connected to network by using Internet Gateways, Route tables, and NATs.

Education:
> B-Tech - ECE from Rama Chandra College of Engineering, Eluru, West Godavari, A.P

Technical Skills:
- Core Skills : DevOps Tools, Linux
- Operating Systems : Ubuntu, CentOS, and Windows
- AWS (Cloud Technology) : IAM, VPC, EC2, EBS, EFS, S3, Elastic Load Balancer, Auto-Scaling, RDS, Dynamo DB, Route53, Glacier, SNS, Cloud Watch, Cross Account Access, VPC Peering
- DevOps Tools : Jenkins, Kubernates
- Container Tool : Docker
- Monitoring Tool : Nagios
- Application Servers : Apache Tomcat

Professional Experience:

➢ Worked as System Analyst in Ramboll from june 2018-August 2019
➢ Working as Devops Engineer in Happiest Minds from September 2019-November2021
➢ Working as Cloud Engineer in ISS Technologies from December 2021-Present

Project 1

Iss Technologies
Duration : December 2021- Present

Roles & Responsibilities
> ➢ Worked on Aws Transfer family using sftp
> ➢ Created Inventory in S3 service and created batch operations in S3
> ➢ Deployed apache web application in EC2 instance
> ➢ Created Mysql database in aws RDS

Project 2
Project Name : Seven-Seas Order and Data System
Duration **:** September 2019 – November 2021

Roles & Responsibilities:
➢ Worked on EC2 (Elastic Compute Cloud), Launch an EC2 instance, use of Putty , SecurityGroups, Upgrading EBS Volume Types, Encrypt Root Device Volume and Create an AMIs – EBS Root Device Volumes vs Instance Store, Attaching additional EBS Volumes to the EC2.
➢ Good hands on experience on AWS cloud storage such as EBS, S3, EFS Storage.
➢ Installing and Configuring Apache Webserver on Amazon EC2 Linux instances.
➢ Good hands on experience on ELB, Launch Configuration and AutoScaling.

- ➢ Hands on experience in creating CI/CD pipelines using Jenkins, user management and handling plugins from Jenkins
- ➢ Integration of tools with Jenkins.
- ➢ Work experience on Docker hands on working with docker commands worked on creating Customized docker images.
- ➢ Troubleshooting issues from Linux environment, package management, handling system updates, file permissions and Disk management on Linux environment.
- ➢ Monitoring AWS Services and Applications with the help of SNS and CloudWatch.
- ➢ Designing overall Virtual Private Cloud(VPC) environment including server instance, storage instances, subnets, availability zones.
- ➢ Good hands on experience on scalability and elasticity.
- ➢ Managing users, groups, policies, Permissions and roles by using IAM Service.
- ➢ Good Knowledge on Route 53. Creating Hosted Zones and record sets, Setup EC2 instances, Simple Routing Policy, Failover Routing Policy, Geolocation Routing Policy, and Latency Routing Policy.
- ➢ Hands on experience on Simple Storage Service (S3) like create an S3 bucket, S3 Version Control, Cross Region Replication.

Environment : AWS (EC2, EBS, ELB, VPC, S3, Security Groups and IAM, Cloud Watch, Auto scaling, Route53, Linux, Devops tools(Jenkins ,GIT, DOCKER)

Project 3

Westfield Insurance
Duration : June 2018-August 2019

Roles & Responsibilities:
- ➢ Worked on Automation tools Jenkins and Implemented Jenkins Master/Slave concept in Jenkins dashboard.
- ➢ Established complete Jenkins CI-CD pipeline and complete workflow of build and delivery pipelines.
- ➢ Setup/Managing Linux Servers on Amazon (EC2, EBS, ELB, VPC, S3, Security Groups, RDS and IAM Cloud Watch)
- ➢ Worked with container-based deployments using Docker, working with Docker images, Docker HUB and Docker registries
- ➢ Experience working with Docker Containers, running/managing containers, managing images, managing Docker volume, Docker compose and Docker swarm.
- ➢ Excellent understanding of Software Configuration Management (SCM) and release process and best practices.
- ➢ Configured multiple Jenkins slaves on different os machines
- ➢ Installed and configured Docker and Jenkins from scratch
- ➢ Configured multiple Jenkins slaves on different os machines
- ➢ Taking Docker file from a source repository and build through Jenkins and push that images into ECR and Docker hub
- ➢ Integrated BITBUCKET with Jenkins by using webhooks and in Jenkins setting whenever changes in code pull the code and build automatically