**Rajashekar Reddy S** **Mobile: +91-9603081822**

**Email Id: rsreddysamula1510@gmail.com**

**Profile Summary:**

Working Experience of 3+ Years in **DevOps Environment**, **Amazon Web Services**.

* Expertise in **DevOps** Tools
* Core skills on **DevOps**(**Jenkins, Maven, Docker, Kubernetes, Nagios, Ansible, Shell Scripting, Git, Git hub, Cloud Watch)**
* **AWS** skills (**S3, RDS,IAM,EC2,VPC,AMI,Auto Scalling Group, Load Balancer, EBS Volumes, Beanstalk Environment ,Aws Cloud Watch)**
* Having knowledge on **Kubernetes**
* Having Good knowledge on creating **Kubernetes** **Cluster** and Installing **Kops** and set up **kubectl**
* Having Good Knowledge on Creating **Pods** by using **Kubernetes Definition file** and running containers in **Pods.**
* Having knowledge on **Nodes** Environment and **Ports** and IP addresses and Connecting **Pods** in different **Nodes**.
* Having good Knowledge on **Kubectl** Command.
* Having knowledge on **Beanstalk** and Creating **Beanstalk Environment** with all the services.
* Complete hands on experience on dealing with **Git** **Branching**, **Merging branches**, **Switching Branches** and **resolve merge Conflicts.**
* Good understanding between **Git reset** and **Git revert** and also cleaning **Git** **repository** **Git** **rebase**, and **Git rebase** **Git** files, **Git** **stash.**
* Good hands on experience in working with **GitHub**.
* Having Knowledge on **Chef**
* Good hands on experience in installing and configuration of **Ansible**.
* Extensively used **Ansible ad-hoc** commands and modules instead of using **Ansible playbooks** for each and every small task in **Ansible.**
* Good complete hands on experience of using **Ansible roles and modules** by including all sections inside **Ansible Playbooks.**
* 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.**
* Having experience in working with **Docker Compose**, **Docker Swarm**.
* Good knowledge in pulling and pushing **Docker images** from and to **Docker hub.**
* Good understanding of architecture of **maven** and Knowledge in using **Maven central repository**.
* Installed and configured **Jenkins** in both **windows** and **Linux machines**.
* Good hands on experience in integrating many tools with **Jenkins** like **Git**, **Maven**, **Junit**, **Tomcat webserver**, **Ansible Server**, **Docker Host**, **Nexus Repository** and **S3 Bucket**.
* Hands on experience in automating **CI&CD** pipeline using **Jenkins.**
* Monitoring daily builds using **continuous integration tool Jenkins**
* Automate the build process using **Jenkins jobs**
* Complete understanding of **Jenkins complete workflow** as well as experience in using multiple plugins.
* Having experience in setting up **Nexus** and integrating with **Jenkins** to store maven artifacts.
* 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 all three kinds of **Load balancers** 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 **AMI**s 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.
* Encrypted volumes to provide security from unauthorized access and misuse of data and provide protection from accidental deletion of machines.
* Migrated and stored all kinds of object storage of my organization in to **S3 bucket** to provide durability and security.
* 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 **NAT**s.

**Education:**

* **B.com CS** from **Jawaharlal Mahatma Gandhi University.**

**Technical Skills:**

* **Core Skills : DevOps Tools, Linux**
* **Operating Systems : Red Hat Linux, 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 : Git, Chef, Ansible, Jenkins, Maven, Nexus**
* **Languages : Shell Scripting, YAML**
* **Container Tool : Docker, Kubernetes**
* **Monitoring Tool : Nagios**
* **Application Servers : Apache Tomcat**

**Professional Experience:**

I am working as a **DevOps** Engineer in **Zenstar Computer Solutions Pvt. Ltd** from Dec 2017 till now which is located in Hyderabad.

**Project 1**

**Duration : Oct 19 to Till Date**

**Roles & Responsibilities:**

* Worked on EC2 (Elastic Compute Cloud), Launch an EC2 instance, use of Putty (for Windows Users), Security Groups,

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.
* 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)

**Project 2**

**Duration : Dec 2017 to Sep 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.
* Perform deployements to multiple environments like Dev, QA and UAT environments.
* Setup/Managing Linux Servers on Amazon (EC2, EBS, ELB, VPC, S3, Security Groups, RDS and IAM Cloud Watch)
* Experienced in branching, tagging and maintaining the version control systems like GIT, GitHub on Linux and windows platforms.
* 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.
* Worked on automation engine Ansible that automates cloud provisioning, configuration management, application deployment, intra-service orchestration.
* Job Automation by using Crontabs.
* Maintained Ansible playbooks using Ansible roles, utilized file module in Ansible playbook to copy and remove Files on remote Systems.
* Excellent understanding of Software Configuration Management (SCM) and release process and best practices.
* Created Partitions, Formating, Mounting (Temporary & Permanent), Assigning label to the Partitions, Mounting a partition using Label (UUID).

**Environment**:

AWS (EC2, EBS, ELB, VPC, S3, Security Groups, RDS and IAM Cloud Watch) , Linux (Partition , Job Automation , Backup and Restore , User Admin),Docker, Kubernetes, Maven, Nagios, Ansible, Shell Scripting