MOOLE MURALIDHARA REDDY

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OBJECTIVE:

- I would like to be in a position within an Organization that can utilize my abilities to their fullest which allows me an opportunity to continue to grow.

Summary Profile:
- Experience in having Devops with cloud for 4.5 years
- Working in Devops tools like Git, Jenkins, Maven,Sonarqube, nexus, Jfrog artifactory, Docker, Kubernetes, Ansible.
- Working in AWS services like IAM, EC2, AMI, VPC, ELB, Auto scaling, cloud watch, S3, Route53, ECR, DynamoDB, EKS, EIP, Security Group, EBS volumes.
- Setting up the infrastructure(IAAS) using Terraform in cloud providers
- Design roles and groups for users using AWS Identity and Access Management (IAM).
- Configuring the CICD Jenkins pipeline with the pipeline as a code i.e. Scripted/ Declarative pipeline
- Creating the GIT repositories and granting the access to the specified engineers
- Integrating Sonar qube, Nexus/Jfrog in the Jenkins
- Creating the EKS/AKS cluster for all the environments using terraform
- Trouble shooting the issues w.r.t to kubernetes etc.
- Creating the DynamodB tables as per the request
- Writing yaml files for the kubernetes and configuring it
- Having knowledge in ansible and implemented in the test machines.
- Working and supporting multiple World-wide development teams delivering a wide range of software applications.
- Storing the specified files in the S3 and maintaining it as per the need
- With the help of Route 53 created the traffic policies depends on the requirement
- Good work ethics with excellent communication and interpersonal skills
- Having end to end experience in build and release management

WORK EXPERIENCE:

Organization	Location	From	To	Designation (Role)
Prodapt Solutions	Chennai	Feb 2020	Present	Senior DevOps Engineer
Tata Consultancy Services(TCS)	Chennai	March 2019	Feb 2020	DevOps Engineer
Cambridge Technology Enterprises Limited	Hyderabad	September 2016	February 2019	DevOps Engineer

PROFESSIONAL EXPERIENCE

DevOps Engineer   **Sep 2016 to Feb 2019**
Cambridge Technology Enterprises Limited, Hyderabad)
Worked as DevOps Engineer.
 Responsibilities:
- Working as a part of Devops build & Release team.
- Experience in creating/deleting repositories and branches, adding/deleting of users, organizations, teams, groups and protecting the code and branches in GitLab.
- Working knowledge on merging code lines in the GitLab and resolving all the conflicts raised during merging.
- Extensive experience in using MAVEN as build tools for building of deployable artifacts (jar, war & ear) from source code.
- Extensively worked on JENKINS by installing, configuring and maintaining for the purpose of continuous integration (CI) and for End-to-End automation for all build and deployments.
- Worked extensively on monitoring and setting up new build jobs, plug-ins installations, distributed builds using master/slave and administration activities.
- Implemented CICD Pipeline process for build and deployment for all Lower Environments.
- Experience in Installing, Configuring & maintaining Apache Tomcat Servers.
- Experienced in build automation, Project Management tool as Maven.
- Hands on experience in Continuous Integration Tools such as Jenkins.
- Experience in building Continuous Integration (CI) & Continuous Deployment/Delivery (CD)pipeline as an iterative process using Jenkins.
- Experience to manage IAM users by creating new users, giving them limited access as per needs, assigning roles and policies to specific users.
- Actively worked on Docker and deploying and maintaining Micro services in the Dev & QA environment.
- Experience on deploying micro services using Kubernetes.
- Experience on Creating Helm Charts to deploy Kubernetes workloads.
- Experience on Kubernetes cluster setup and management both on premise and cloud.
- Experience on Writing a different Kubernetes Objects like Pod, Service, Ingress, Deployment, etc.
- Managed Docker containers using Kubernetes.
- Extensively worked with Scheduling, deploying, managing container replicas onto a node using Kubernetes.
- Experienced in creating Kubernetes clusters work with Helm charts running on the same cluster resources.

DevOps Engineer: **March 2019 to Feb 2020**

Tata Consultancy Services(TCS), Chennai)
Worked as DevOps Engineer in the Project CIGNA

Responsibilities:

- Working with Dev Team to write Dockerfile,configuring Jenkins job to use docker build,tag etc
- Implemented multibranch pipeline.
- Used ansible as a configuration management tool, to automate repetitive tasks, quickly deploy critical applications, and proactively manage changes.
- Configuring, automating and deploying ansible for configuration management to existing infrastructure.
- Used Terraform to map more complex dependencies and identify network issues.
- Hands on experience on Terraform a tool for building, changing, and versioning infrastructure safely and efficiently.
- Worked with Terraform to create AWS components like EC2, IAM, VPC, ELB, Security groups, S3, EKS, etc.
- Extensively involved in infrastructure as code, execution plans and change automation using Terraform.
- Managed AWS infrastructure as code using Terraform.
- Written Templates for AWS infrastructure as a code using Terraform to build all environments.
- Developed Terraform code for a Kubernetes infrastructure build.

Senior DevOps Engineer: **Feb 2020 To Present**

Prodapt Solutions, Chennai)
Working as Senior DevOps Engineer

Responsibilities:

- Used uDeploy as a CD tool for deploying applications on premise cloud environments (rhel 7.2) , also created application and component process in deploy
- Experienced to create and configure S3 bucket with required policy.
- Experienced on Setup and managed backup and recovery using AWS data backup (Snapshot, AMI creation) techniques within AWS.
- Experienced on Configure VPC Subnet, NAT gateway, Route Tables, ACL and Security groups
- Created users and groups using IAM and assigned individual policies to each group.
- Experience on monitoring tools such as Nagios.
- Written the Hashicorp terraform scripts for hosting the Infrastructure in AWS.
- Build and release EC2 instance Amazon Linux, Red Hat and Windows for Development and Production environment.
- Setup and Attached EBS volumes to EC2 instances & managing Backups of Instances and EBS storage using scripts.
- Utilized Cloud Watch to monitor resources such as EC2, CPU memory, Amazon RDS DB services, EBS volumes; to set alarms for notification or automated actions; and to monitor logs for better understanding and operation of the system.
- Creating the Git repositories depends on the requirement from the developers and granting an merge access w.r.t to the leads
- Integrating Sonar qube, Jfrog artifactory to the team city and performing the tasks

- Sonar qube is a code quality tool which detects the bugs, vulnerabilities, duplication of lines and detects the code coverage as well
- We maintain the code coverage as 90% and making sure that the code does not lie down the threshold
- Setting up the infrastructure i.e. VPC, Subnets, Security groups, Routing table, Internet gateway using the terraform scripts.
- Creating the EKS (Kubernetes) cluster using terraform scripts which deploys in the created infrastructure
- Similarly creating the infrastructure and EKS clusters in all the environments i.e. Dev, SIT,QA, Stage, Pre-prod, Prod
- Trouble shooting the issues in entire CICD
- Storing the files in S3 depends on the requirement from the developers
- Modifying the pipeline which makes is faster and smoother
- Implementing the blue green deployment for the cross region in AWS
- Implemented the monitoring tools like Nagios
- We have written the scripts w.r.t to the env & application validation where it checks the end to end for the infra & app.
- Creates the DynamodB table in the AWS cloud
- Dealed and solved many issues we encountered in our Navigator application
- We have encountered issues with memory especially the container side and we made it standardize across environments.
- Implemented the HPA in EKS and depends on the environment
- Interacting with the development team with the ongoing issues.

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SKILLS & EXPERTISE

Cloud Environment	Amazon Web Services
Infrastructure as a code	Terraform
Version Control Tool	Git,GitLab, GitHub
Build Tool	Maven,Gradle
Continuous Integration Tool	Jenkins
Code Quality Tool	SonarQube
Artifactory Tool	Nexus & JFrog Artifactory
App Server	Apache Tomcat
Operating Systems	Windows, Red Hat Linux
Containerization Tool	Docker
Container-orchestration Tool	Kubernetes
Configuration Management Tools	Ansible
Deployment Tool	IBM urban code deploy (udeploy)
Agile Tool	Rally
Monitoring Tool	Nagios

CERTIFICATIONS:

- AWS Certified Solutions Architect – Associate
- Certified Kubernetes Administrator(CKA)
- Certified Terraform Associate

EDUCATION & QUALIFICATION

- B. Tech(Electronics And Communication Engineering) From Gokula Krishna College Of Engineering Sullurpet affiliated to JNTU Anantapur – 2016
- Intermediate From Medha Junior College,Mydukur.
- Schooling from Z.P.H School ,Onipenta.

DECLARATION:

I hereby declare that the above information is true and correct to the best of my knowledge.

 DATE: (**MOOLE MURALIDHARA REDDY**)