REPATI PRADEEP

AWS DevOps Engineer

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Snapshot:

DevOps Engineer with 4+ yrs of experience of architecting/automating and optimizing mission critical deployments over large infrastructure. Proficient with Configuration Management tools and in deploying CI/CD pipelines

Core Skills:

Git, Maven, Jenkins, Docker, Kubernetes, SonarQube, EC2, S3, VPC, Security Groups, NACL, Snapshots, AMI, Autoscaling, ELB, RDS, IAM, CloudWatch, SNS, SQS

Professional Summary:

- Worked as DevOps engineer / Build and release engineer in field of release automation for java application to achieve continuous integration (CI) and continuous delivery (CD)

- 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

- Expertise in configuring and managing services like AWS EC2 using AMI's available. Configured multiple servers depending on application needs using continuous integration tools like Jenkins

- Experience in Branching, Merging, Tagging and maintaining the version across the environments using SCM tools like GIT

- Worked on Container management using Dockers & Good knowledge on SonarQube Config

- Configuring the Docker Containers and Creating Dockerfile for different Environments

- Knowledge in working on public and private registries for storing docker images

- Successfully implemented docker on Production servers

- Managing containers, pods, nodes using kubernetes

- Experience in running Jenkins jobs in a distributed environment using Master-Slave

- Launching Amazon EC2 instance and configuring launched instances with respect to specific applications in Dev/Test/COLLAB/PROD environment

- EBS Volumes, EIPs, Snapshots, AMI's. Creating AMI images from existing instances and copy them to different regions / availability zones

- Setup/Managing Databases on Amazon RDS. Monitoring servers thorough Amazon Cloud Watch, SNS. Taking snapshots on monthly basis for backup purpose.

- Develop Cloud Formation scripts to automate EC2 instances. Created Cloud Formation templates and deployed AWS resources using it

- Creating Elastic IPs, attaching and detaching to instances as per client request

- Creating S3 buckets, managing policies, Utilized S3 bucket and backup on AWS

- Configure and maintain the Users and Groups policies and permissions in IAM

Education:

> Bachelor of Technology in 2014 with 71.5% from **RGUKT-APIIIT**-RKValley-KADAPA A.P

Work Experience:

> Worked as a DevOps Engineer in **Zensar Technologies** from Aug 2016 to Jan 2021

Project Details:

Project2: CIMB Merchant Application   Feb 2018 to Dec 2020
Client   **:** CIMB Bank
Role   **:** Aws Devops Engineer

Environment: EC2,VPC,ELB,S3,IAM,Cloudwatch,,Certificate Manger, RDS, EFS, Global accelerator,Route53,CloudWatch,CloudTrail,ConfigSystemsManager,SES,SNS,Cloudcraft,Git,Maven, Jenkins,Docker**.**

Job Responsibilities:
  o Gathering and understanding the client requirements for project
  o Designing the architecture diagram of infrastructure as per client requirement's by using drawing tools like lucidchart,drawio etc
  o Estimating the cost of the infrastructure as per architecture diagram by using like aws calculator, cloud craft tool
  o Getting approval from client and management to creating infrastructure
  o Creating VPC and public subnets, private subnets, Route tables, Internet gateway as per infrastructure design.
  o Creating Security Group and assigned inbound and outbound rules as per infrastructure design
  o Creating the instance's as per infrastructure design by using virtual private network
  o Installing the required packages in the servers.
  o Creating the users & assigning the permissions to users in the servers as per requirement.
  o Creating requiring services and Configuring required services.
  o Writing and maintaining shell script in the servers to send application related alerts.

Project1: Orbit   Sep 2016 to Nov 2017
Client   **:** Coachusa
Role   **:** Aws Devops Engineer

Environment:Git,Maven,Codepipeline,Apigateway,Secretmanger,Cloudformation,codecommit S3, IAM,Cloudwatch

Job Responsibilities:
  o Firm understanding of Micro-service and server less model way of application architecture
  o Responsible for Continuous Integration and Continuous Delivery process implementation using code pipeline for server less architecture

  o Responsible for creating the branches and tagging the code with appropriate tags for different versions in code commit.

- o Responsible for setting up different environments like Sandbox, Dev, QA, UAT and Prod Stage environments in AWS.

- o Collaborate with development/test teams to design, build, and deploy an automated platform.

- o Set up and built AWS infrastructure with various services available by writing cloud formation templates in json.
- o Created S3 buckets in the AWS environment to store files, sometimes which are required to serve static content for a web application.

- o Configured S3 buckets with various life cycle policies to archive the infrequently accessed data to storage classes based on requirement.

- o With the help of IAM created roles, users and groups and attached policies to provide minimum access to The resources.
- o Created topics in SNS to send notifications to subscribers as per the requirement.

- o Created Cloud Front distributions to serve content from edge locations to users so as to minimize the load on the frontend servers.

- o Written cron jobs to perform operations at a scheduled time.

- o Enabled Continuous Delivery through Deployment into several environments of Sandbox,Dev,QA,Uat and Prod by using code pipeline.

- o Configured and maintaining the monitoring and alerting of production Environment using Cloud Watch &Data dog.

(Repati Pradeep)