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SUMMARY

An accomplished software Engineering with 3.2 years' of experience in implementing Continuous Integration, Build and Deployment using various Tools like Jenkins, Maven, SonarQube, Ansible, Sonatype Nexus repo. interface implementing, testing and maintenance and deployment Processes and experience in AWS cloud, CI/CD Stack and troubleshooting various applications.

CORE COMPETENCIES

- Experienced in creating, configuring and maintaining Infrastructure on AWS Cloud services including **Virtual Private Cloud (VPC), ELB, EC2, EKS,RDS, Elasticache,S3, Route53, SNS, SQS,SES,Cloud Front,Lambda, Cloud Watch, IAM and Autoscaling .**
- Experienced in creating various dashboards, metrics, alarms and notifications for servers using **AWS Cloud Watch.**
- Experienced in creating complex **IAM** policies, Roles and user management for delegated access within AWS.
- Hands on experience in setting up **database** in AWS using **RDS, storage** using **S3 bucket** and configuring instance backups to S3 bucket to ensure fault tolerance and high availability.
- Experienced in creating complex caching and routing policies with content delivery network (CDN) **Cloud Front** to improve the page speed and TTFB values.
- Configured **AWS VPC**
- Played a key role in automating the deployments on AWS using **GitLab, AWS CFN, and Jenkins.**
- Hands on working experience on Web Server (Apache,Nginx), Application Servers (Tomcat), and DB Server (MySQL).
- Created Snapshots and Amazon Machine Images (**AMIs**) for the instances based on the requirements for backup and clone instances.
- Involved to implement CI/CD for Ecommerce Lending solution multiple Applications .
- Created **Dockerfile** that packages web apps with service run time into **docker image** and automated the distribution and scheduling of application containers across a cluster to make it easy to deploy, scale and manage application.
- Developed Continuous Integration pipeline using Jenkins and developed and integrated various Bash and Python scripts for deploying the applications on to the AWS Cloud and on-premise Infrastructure.
- Developed **Jenkins** pipeline to create the images of all the successful builds and to push them in to **AWS ECR** that is later consumed by the **Kubernetes** cluster to do the rolling deployments by consuming the images.
- Setup container clustering using Kubernetes Cluster.
- Involved in setup of Redis clusters for application.
- Configured Jenkins with GitLab CI.
- Configured Role Base Access Control in **Jenkins** at org and groups.
- Configured in Jenkins for **SonarQube** and Checkmarks jobs.
- Knowledge on writing playbooks **Ansible** for deployment tool.

- Experience with version code control systems such as Git, GITHUB.
- Familiarity with SDLC and DevOps concepts and techniques.
- Experience on GIT, Jenkins for source control, deployments and continuous integration.
- Involved in VPN tunnel setup and configuration for cloud resources.
- Deployed application which is containerised using **Docker** onto a **Kubernetes** cluster which is managed by Amazon Elastic Container Service for Kubernetes (**EKS**).
- Configured 'kubectl' to interact with Kubernetes infrastructure and used **AWS Cloud Formation Templates (CFT)** to launch a cluster of worker nodes on Amazon EC2 instances.
- Involved in configuring **Prometheus, Grafana**.
- Grafana, Application is implemented to monitor server and Application alert.
- Communicate with Dev, QA and UAT team related to build and deployment status and concerned issues.
- Involved in the setup for Dev, QA, UAT, Prod environments.
- Worked with Developers for Dev and QA to debug the source code problems.
- Performing analysis of the daily alerts in the Production servers and monitoring the production and development servers.
- Worked with Developers for Dev and QA to debug the source code problems.
- Creating Role Base Access Control in Jenkins at folder level for each org and groups.
- Familiar working with Jenkins, Gitlab and other CI/CD tools including the Atlassian suite including JIRA, Confluence.

PROFESSIONAL SUMMARY :

- **Currently working as a Devops Engineer in Pepperfry from Oct 2019 to till date.**
- **Worked as Build and Release Engineer at Genpact India Pvt Ltd from May 2018 to Oct 2019.**

EDUCATION

B.Tech from JNTU Hyderabad in the year 2018 with 66%.

TECHNICAL SKILL

CI/CD	Jenkins, Gitlab CI/CD
SCM	Git, GITLAB
Build Tools	Maven
Code Analysis	SonarQube
Cloud	AWS
Monitoring	ELK, Nagios, Cloudwatch, Prometheus, Grafana
Container	Docker, Kubernetes
Application server	Tomcat
Web Server	Apache, Nginx
Scripting	Shell
Operating system	Linux , Windows
Databases	Mysql

Infrastructure Automation	AWS CloudFormation
Artifactory	Nexus
Project Tracker Tool	JIRA
Config Management tools	Ansible

PROJECT PROFILE

Project: #1	Pepperfry Website
Role	DevOps and AWS Cloud Engineer
Duration	Oct 2019 to till date
ENVIRONMENT	Amazon cloud, Centos, Gitlab,Maven,Jenkins,Docker,Kubernetes,Ansible,AWS CloudFormation,Java,Nginx,Mysql

Roles & Responsibilities:

- Involved in the setup for AWS infrastructure
- Created **AWS** Launch configurations based on customized AMI and use this launch configuration to configure **auto scaling groups** and Implemented AWS solutions using **EC2 , S3 , RDS , Route53 , EBS , Elastic Load Balancer , Auto scaling groups .**
- Configured AWS IAM and Security Group in Public and Private Subnets in VPC .
- Worked with IAM service creating new IAM users & groups, defining roles and policies and Identity providers .
- Used Amazon **Route53** to manage DNS zones and give public **DNS names** to **elastic load balancers**
- Creating alarms in **Cloud Watch** service for **monitoring** the server's **performance, CPU Utilization, disk usage** etc.
- Created **CloudFormation** Templates for different environments(DEV/stage/prod) to automate infrastructure.
- Working on **GIT** cloning the remote repository
- Extensive experience in using Build Automation tools like Maven, Artifactory and Jenkins
- Involved in **Jenkins** **CICD** jobs and configurations
- Created **Jenkins** **CICD** pipelines for continuous build & deployment and integrated **Junit** and **SonarQube** plugins in Jenkins for automated testing and for Code quality check.
- Integrated **SonarQube** with Jenkins for continuous inspection of code quality and analysis with SonarQube scanner for Maven.
- Creating build and deployment jobs in Jenkins for various project modules.
- Deploying **Serverless** projects with **GitLab CI CD** on dev and prod environments.
- Created **Dockerfile** that packages web apps with service run time into docker image and automated the distribution and scheduling of application containers across a cluster to make it easy to deploy, scale and manage application.
- Worked on deployment automation of all the micro services to pull image from the private docker registry and deploy to Kubernetes cluster using Ansible.
- Worked on configuring **Ansible** Servers, installing Ansible and bootstrapping nodes with Host servers and involved in writing **Ansible playbooks** to install and configure Jenkins,CLI'S, Prometheus exporters.
- EC2 instance –According to project requirement implementing the infrastructure.
- Application load balancer is implemented as per the project requirement.

- S3 Bucket – Implemented in such a way that bucket specific policy is created and provided solution single bucket policy.
- Monitoring Jenkins Jobs and if jobs failed then need to fix the issue and find the Root Cause.
- Building the Source Code using Maven Build.
- Constantly keep in touch with the developers and helped them in analyzing the issue by providing them the required base and debug builds.
- Performing analysis of the daily alerts in the Production servers and monitoring the production and development servers.
- Setup and maintenance of monitoring systems like ELK

Project: #2	Flexcube
Role	Build & Release Engineer
Duration	May 2018 to Oct 2019
ENVIRONMENT	Gitlab,Maven,Jenkins,Docker,Kubernetes,Java,Mysql,Linux,AWS

Roles & Responsibilities:

- Involved in the setup in Jenkins for Continuous Integration Project
- Monitoring Jenkins Jobs and if jobs failed then need to fix the issue and find the Root Cause
- Building the Source Code using Maven Build.
- Constantly keep in touch with the developers and helped them in analyzing the issue by providing them the required base and debug builds.
- Performing analysis of the daily alerts in the Production servers and monitoring the production and development servers.
- Working on Nexus repo source code from local repository to docker private repository
- Configured and Maintain the Jenkins for CI process and integrate the tool with Maven to schedule the Builds and Automate the deployment on the Application servers using deploy plugin in Jenkins.
- Worked with Developers for Dev and QA to debug the source code problems.
- Creating Role Base Access Control in Jenkins at folder level for each org and groups. Good working experience in building and deploying Java web applications and websites
- Experience with DevOps configuration management tool Like Ansible.
- Involved in POD management in Kubernetes cluster.
- Have a commendable knowledge in documenting and automating build and Release Process