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CH NARENDRA

(DevOps Engineer)

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PROFESSIONAL SYNOPSIS

* Total IT experience of 3.7 years with IMS Health.
* Effective experience on write playbooks in YAML for application deployments automation on multiple servers on remotely using ANSIBLE.
* Effective experience on write playbooks in YAML for application deployments automation on multiple servers on remotely using ANSIBLE.
* Extensively used containerization tool like DOCKER for application develop, package, ship and run anywhere.
* Well experienced in build and managing healthy running containers, Docker volumes, etc.
* Veteran in creating clusters and managing clusters in KUBERNETES ( K8S )
* Automate AWS Infrastructure provisioning using Terraform

**AREAS OF EXPERTISE**

* Familiar with Amazon AWS Cloud Administration which includes services like: EC2, S3, EBS, VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Auto scaling, Cloud Front, Cloud Watch, Security Groups.
* Experience with deployment the automation tools and managing the infrastructure configuration consistence using Ansible tools.
* Working with the Docker containerization and deploying the applications over Docker containers.
* Good Understanding of DevOps culture and the CI/CD work flow using Jenkins with Git and GitHub Version controls.
* Manage production application deployments in Kubernetes cluster using Kubectl.
* An effective communicator with strong team management, analytical and problem-solving.
* Building Terraform Templates and creating AMIs in AWS cloud.
* Integrated Jenkins Pipeline with Apache Maven, Node, and Sonar to automate Continuous Integrations for Build.
* Integrated Jenkins Pipelines for Docker, Kubernetes for Deployments.
* Followed best practices on Software Development Life Cycle and use cases of the Automation tools using Ansible and integration with Docker, Jenkins, Tomcat, and Maven.
* Writing kubernetes Deployment manifest files to include application deployment configurations on kubernetes
* Responsible in monitoring the application health status and fixing the run time issues.
* Analysing container application logs, identifying the issues and coordinating with the concern team to fix the issues.
* Scaling the containers applications as per the demand on Kubernetes container platform.
* Written Jenkins Pipeline code using Groovy to integrate and automate the build & deployment tools for application deployments.
* Writing Helm Umbrella Charts and environment specific charts for Dev, QA, and Prod environments.
* Designed base line for Helm Charts to deploy application into different environment with specific custom configuration parameters.
* I have experience in monitoring cotainers, applicatios, clusters and michines in Prometheus and Grafana monitoring tool.

**Technical SKILLS**

* Operating Systems : Red Hat Enterprise LINUX 5.x/6.x
* Cloud Tools : AWS Ec2, EBS, S3, IaaS, VPC, Cloud Trail, Cloud Watch, Auto Scaling, Load Balancer, S3, Route53, Elastic Beanstalk, RDS.
* Scripting Languages**:** Linux shell scripting
* CI/CD tools : Jenkins
* Artifactory : Jfrog
* Containerization : Docker, Kubernetes
* Monitoring Tools : Cloud Watch
* Application Tier : Apache Tomcat
* Web Tier : Apache HTTP
* Version Control : Git, GitHub, Bit Bucket
* Configuration Tools : Ansible
* Infrastructure as Code: Terraform

**PROFESSIONAL EXPERIENCE**

**IMS Health, Bengaluru November, 2017 – Till date**

* Role: DevOps Engineer

**Roles and Responsibilities**

* Setting up Kubernetes Name spaces from scratch for new application on-boarding.
* Writing manifest file definitions for configmaps, secrets and mounting these resources as volume mount and environment variables for application use in the Kubernetes container platform.
* Configuring Docker Registries for new applications to store container images and integrating with Jenkins pipelines for automation.
* Configuring Jfrog artifactory management repositories to keep version controlled maven artifacts for deployments.
* Automating integration tasks like GitHub to Bit Bucket code sync on schedule basis to sync the source code from GitHub to Bit Bucket.
* Building servers using AWS, importing volumes, launching EC2, creating security groups, auto-scaling, load balancers, Route 53, SNS in the defined virtual private connection.
* Used IAM to create new accounts, roles and groups.
* Managing IAM accounts (with MFA) and IAM policies to meet security audit & compliance requirements.
* Used Auto-scaling and Elastic Load Balancer features on EC2 instances to serve the end users using applications during unexpected traffic/demand.
* Configuring IAM roles for EC2 instances and assigns them policies granting specific level access to S3 buckets.
* Creating S3 buckets and managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.
* Infra-structure development on AWS using various services like EC2, S3, RDS, Route 53, Cloud Front, Cloud Watch, IAM, VPC etc.
* Using Amazon RDS Multi-AZ for automatic failover and high availability at the database tier for MySQL workloads.
* Built a highly available and fault tolerant VPC from scratch.
* Configured NAT instance for internal servers within the private subnets thereby not exposing to the public internet.
* Applying company security policies using Security groups and Network ACLs for instance and subnet level security as per project requirements.

**ACADEMIC**

* **Post Graduation:** MBA from Acharya Nagarjuna University with 72% aggregatein 2017.
* **Graduation:** BScComputes from Krishna Universitywith 70% aggregatein 2015.
* **Intermediate:** Board of Intermediate Education with 72% aggregate in 2012.
* **SSC:** Secondary School Certificate with 69% aggregate in 2010.

**PERSONAL DETAILS**

Name : Narendra

Nationality : Indian

Gender : Male

Date of Birth : 10-June-1995