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**DevOps Engineer**

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**PROFESSIONAL SUMMARY:**

DevOps Engineer with **3 years** of experience in **CICD**, **Container Orchestration**, **Configuration Management**, **Build Release Management** & **Cloud Infra Management** large-scale Infrastructure.

# Looking for a challenging opportunity where I can utilize my skills towards the growth of the organization as well as individually, to becomes a successful professional and to work in an innovative and competitive world.

**SYNOPSIS:**

* Experience in branching, tagging and maintaining the version across the environments working on Software Configuration Management (**SCM**) tools like **GIT**.
* Working experience in configuration management tools like **Ansible**.
* Extensively worked on **Jenkins**, configuring and maintaining for continuous integration (CI) and continuous deliver (CD).
* Working with build tools **maven** build tool, CI&CD tool Jenkins.
* Experience of containerization applications in **Docker** and container clustering, cluster management and rolling deployments by **Kubernetes**.
* Experience of dealing in change **management, identifying defects** and deployments by Ansible.
* Experienced in Writing **Ansible playbooks and roles** for deployment on build-on internal data centers.
* Expertise in Amazon **AWS** Cloud Administration which includes services like: **EC2, S3, EBS, VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Auto scaling, Cloud Watch, lambda function, code build, codepipeline, Security Groups etc**..,

# Experience with monitoring tools likePrometheus, Grafana, ELKand Amazon Cloud watch to monitor major metrics like Network packets, CPU utilization, Load Balancer Latency.

* Created alarms in Cloud Watch service for monitoring the server performance.
* Worked in infrastructure team on installation, configuration and administration of **CentOS 6.x/7**, **Red Hat Linux 8/9, RHEL 6.x/7**, **Red Hat Satellite 6, Windows Server 2008-R2/2012-R2** and SUSE Linux 10.x/11.

**TECHNICAL SKILLS:**

**Cloud :** AWS

**Operating Systems :** Linux.

**Source Control and build Tools :** GIT, Maven.

**Continuous integration tool :** Jenkins.

**Configuration Management tool** : Ansible.

**Container technology**  : Docker., Kubernetes.

**Programming Languages :** Bash scripting

**Monitoring tools** : Prometheus, New relic

**Educational Qualification:**

**Bsc(computer science) from kakatiya university.**

**PROFESSIONAL EXPERIENCE**

**Client : TCS ,Bangalore**

**Duration : May 2018 to Till date**

**Designation :** DevOps Engineer

**Responsibilities:**

# Designed and implemented a continuous build-test-deployment (CI/CD) system with multiple component pipelines using Jenkins, Codepipeline to support weekly releases and out-of-cycle releases based on business needs.

# Integrated **SonarQube**with Jenkins for continuous inspection of code quality and analysis with SonarQube scanner for Maven.

# Involved in source code management using SCM tool like github for Branching, Tagging, Release Activities on Version Control.

# Monitoring and debugging the services at UAT level.

# Maintained the repository of configuration items of all projects.

# Perform Build activities using Maven and Jenkins tool.

# Worked with git branches, webhooks, merge conflicts and scheduling the jobs according to the environment.

# Writing the Dockerfile for packaging the application into image and pushing it into docker registry.

# Writing yaml scripts for services likes pods, replicaset, dns, network, load balancer, autoscaling, ingress, secrets, etc to run in the cluster and point the services to the other service in namespace.

# Created several Ansible-playbooks which include performing Installation and Configuration tasks involving JDK, tomcat, HTTP etc.

# Experiencewith container-based deployments using Docker, working with Docker images, Docker Hub and Docker-registries and Kubernetes.

# Used **Jenkins pipelines** to drive all microservices builds out to the **Docker registry** and then deployed to **Kubernetes**, Created **Pods** and managed using **Kubernetes.**

# Used **Kubernetes**to orchestrate the deployment, scaling and management of Docker Containers.

# Managed and Configured AWS services as per the business need (EC2, ELB, Route 53, S3, RDS, IAM, Cloud Watch, Route53, and VPC).

# Creating and managing HA setup in AWS. Worked with classic and application load balancer in AWS cloud. EBS volumes backup, snapshots and Ami management.

# S3 bucket management, s3 bucket policies and lifecycle policies.

# Creating EC2 instances, adding EBS volumes for EC2 instances and taking backup of EBS volume.

# Creating and adding Security Groups to instances for controlling the inbound and outbound traffic.

# Configured Elastic Load Balancers (**ELB**) with EC2 Autos calling groups

# Created monitors, alarms and notifications for EC2 hosts using Cloud Watch