

KOMATI. UDAYKIRAN

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Career Objective

Responsible as a DevOps engineer to perform the installations/configurations of software, deployments, Monitoring the application through an automated way by using the DevOps tools like Kubernetes, Docker, Terraform, Ansible, Jenkins, Argo-cd, Maven, Bit Bucket, AWS services, new relic, Deploying the applications into QA/UAT/PROD environments. Installation/configuration Apache, Tomcat, Nginx, Ha-proxy. perform administration activities in Jira and Bit Bucket as part of the software development life cycle.

Professional Summary

DevOps experience of 8 years

- 8 years of work experience in the DevOps life cycle.
- Experience in Risk identification, Change request process for the Production environment.
- Provided 24x7 production support and production environments. Ability to communicate requirements effectively to team members and manage applications.
- Have expertise in Industry standards logging and monitoring tools like Sumo logic, Logic Monitor, Alertsite, New Relic, Grafana & Prometheus.
- Experience in AWS EC2, and VPC setup. EC2 Instance creation activities and S3 management, AWS CLI installation, ops-works, Route 53, CDN & Load balancer (classic and Application), security groups, IAM, RDS, Opsensearch, Cloudwatch, API gateway.
- Administration/Maintenance experiences of continuous integration tool Jenkins & experience in writing the multi-stage pipelines with approval workflow.
- Having experience in writing Terraform & Cloud formation templates for Infra as code.
- Expert in installation and configuration of Apache Tomcat, Nginx, Apache & HA proxy on the on-premises servers.
- Created the Kubernetes cluster in AWS with help of the EKS service & written deployment, and service files for the applications and helm template to install the application.
- Written & proven experience with Docker files to build the Docker Images for application deployment.
- Experience in writing the Ansible playbooks for application Deployments.
- Well versed with version control system like Git and SVN

EXPERIENCE:

Working as a Sr.DevOps Engineer in Deserve Labs Pvt Ltd from Dec 2022 to till date.
Working as a DevOps Engineer in Planful (Hostanalytics) from July 2021 to Dec 2022.
Working as a DevOps Engineer in Pramati Technologies from July 2019 to July 2021.
Working as a DevOps Engineer in Concentrix Corporation from March 2016 to July 2019.

EDUCATION

B.Tech from Jagruti institute of engineering and technology. JNTUH affiliated

QUALIFICATIONS:

Operating Systems	: Linux, Windows 2012 R12, Cent OS-Server, Red hat, ubuntu.
Scripting Language	: Shell scripting,
SCM Tool	: Bit-bucket, GIT.
Build Tools	: Ant, Maven.
Application Servers	: Tomcat, Apache, HAproxy, Nginx.
CI Tools	: Jenkins, Argo-cd
Data Bases	: MySQL, RDS, MongoDB, Elastic cache. Redis, Postgress
Project Management Tool	: Jira. (Admin)
Monitoring tool	: New relic, Logicmonitor, Grafana
Cloud and Configuration management	: AWS & Ansible. Terraform
Containerisation	: Docker, Kubernetes. Helm

Roles and Responsibilities

Deserve:

Project: Cardprocessor.io

Role: Sr. DevOps engineer

- Written deployment & service manifest files for the k8s clusters.
- Implemented the ArgoCD with the helm templates and custom values.yaml to add the clusters and repos also made the installation with the terraform.
- Created the Kafka cluster [MSK] by using the AWS service and cluster configurations with the terraform.
- Created the API GATEWAY with cloud formation, swaggerfile and sambuild.
- Creating and updating the EKS cluster versions with terraform.
- Created the Persistence volumes with the EFS service.
- Hands-on experience was code deploy and pipeline to build the docker images with the new version of the application & deploying them into the k8s cluster.
- Implemented the Grafana and Prometheus for k8s fargate cluster monitoring with in observability vpc.
- Implemented cost optimization, least organization security policy and weekly cleanups,
- Implemented a PostgreSQL Global db with terraform for multi-tenancy, enabling the global write forwarding.
- Providing the on-call support model for the application uptime availability & monitoring infrastructure through the New relic, alerting from the slack and Grafana and prometheus.

Planful:

Project: Modelling Cloud and Enterprise model

Role: Sr. DevOps engineer

- Experience in Risk identification and change request process for the Production environment and non-prod environments providing detailed documentation of High availability & Disaster recovery.
- Created the K8s cluster in on-premises servers with the kubeadm and EKS on Aws.
- Written deployment & service manifest files for both clusters.
- Spinning up the EKS cluster with CloudFormation templates and cluster Upgrading activities.
- Created the Persistence volumes with the EFS service.
- Hands-on experience with Jenkins pipeline to build the docker images with the new version of the application & deploying them into the k8s cluster.
- Implemented the Grafana and Prometheus for cluster monitoring.
- Implemented and configured Incident management and alerting, monitoring based on the severity and priority.
- Developed Jenkins pipelines for deploying & validate release versions on-premises servers and AWS EC2 instances.
- Creating the snapshot with help of Jenkins job and maintaining the snapshot for backup requirements.
- Implemented Ansible from the scratch for windows and Linux nodes and developed the playbooks to update windows patching and deployment playbooks to deploy War files to the Tomcat application server.
- Extending the EBS Volumes for the Linux & Windows servers.
- Providing the on-call support model for the application uptime availability & monitoring infrastructure through the Logic monitor, Sumologic, and Uptrends.
- Migrated aws Load balancers from Classic load balancer to application load balancer along with SSL certificates.

Pramati Technologies:

Project: Plymouth Rock

Role: DevOps engineer

- Created whole Kubernetes cluster in Aws by using the EKS service & deployment files for the application.
- Building the Docker images using the docker file and pushing into ECR with Jenkins.
- Created the SNS, SQS, KMS, Redis caches, and RDS services for the application platform.
- Maintain the Git hub repository also admin activities like providing the access to the dev.
- Developed Jenkins pipelines for multistage builds with approval workflow to deploy on-premises servers & Kubernetes Clusters.
- Written the Ansible playbooks to deploy War and Jar files to the JBOSS application server.

Concentrix Corporation:

Project: Zetta

Role: DevOps Engineer

- Set up of infra included DEV, Test, Staging, and Production Environments where DEV/TEST environments are implemented as Time Based using Ops-works stacks which turned out to be cost-effective.
- Experience in configuring and working knowledge on EC2, S3bucket, RDS, Elastic Cache, and CloudwatchAlert /Alarm configuration.
- Using custom cookbooks for installation/hardening of middleware using chef.
- Defining the SCM branching & merging, conflict handling strategies & its implementation for the production, handled the Hotfix build request in various levels from Jenkins.
- Implemented continuous integration Jenkins from the scratch and installed the plugins required to deploy into Tomcat.
- Publishing the artifacts to the S3 bucket once the build gets success in Jenkins.
- Continuously improved the build infrastructure for software development engineering teams including implementation of build scripts, and continuous integration tool Jenkins for deployment.
- Sending the notifications after triggering the job and Completion of the job through Jenkins by configuring the E-mail notification plugin.
- Maintaining repository and new user creation/user deletion and setting up an archive with groups and roles.
- Integrated Sonar Qube with Jenkins for analyzing the test report and code quality.
- Create and maintain scripts for automating Regular activities.
- Supporting the deployment of software releases into development and test environments.
- Executing the database deployment scripts (DDL and DML's) which are provided by the developers.

Project: UltimateCSR

Role: DevOps engineer

- Involved in the creation of Infra for production, Test, and Dev environments which utilizes AWS Aurora, EC2s, Application ELB, Route 53, and S3, CDN.
- To effectively monitor billing and develop cost optimization strategies.
- Installation/configuration of Nginx with proxy setups rewrite rules like HTTP to HTTPS and set up the SSLcertificates by uploading them into IAM policy with AWS CLI.
- Set up Time based Environment for Dev and Test using Ops-works.
- Implemented chef-based installation/configuration of LEMP stack basis LARAVEL Framework.
- Created IAM policies for S3 buckets and non-interactive users for application usage.
- Deploying the code from Bit-bucket to the production environment using the shell script.
- Worked with DEV, QA & operations teams to ensure that newly developed software code is built and released as smoothly and efficiently as possible.
- responsibility to optimize the resources & work on resource tagging to allocate costs and for carefully planning budgeting, governance, and reporting.

Project: Resolve jiffy

Role: DevOps engineer

- Created the 3-tier architecture with high availability for the application by using Tomcat, Apache, Ha-proxy, and Mysql.
- Installed, configured, and hardened Apache Tomcat clustering with Apr, Apr-utils & OpenSSL.
- Setting up the SSL certificate for the website.
- Set up HA using Apache httpd and Tomcat cluster with tomcat connector and implemented Session replication using Delta Manager Concept for UAT and Prod environments.
- Set up of Load Balance Fail-over with Ha-proxy and keepalived on port base.
- Responsible for the Disks space, memory monitoring logs retention policies and Deployment activities onprod and UAT environments.
- Created the deployment scripts for Deploying the war files into tomcat with zero downtime.
- Scheduling the cronjobs for various tasks like fetching the reports from Database.
- Installation and configuration Network file system (NFS) & complete mail server Postfix.

(KOMATI.UDAYKIRAN)