Dasari Sai Kishore

DevOps Engineer

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Objective:

In quest of challenging role in the field of IT as Devops Engineer that would facilitate the maximum utilization and application of my broad skills and expertise in making a positive difference to the organization.

Profile Summary:

- Having 3+ years of experience in detailed technical experience on Build, Release and Configuration Management as a Devops Engineer with Linux and AWS services.
- Solid experience with Linux (Ubuntu and RedHat) operating systems.
- Experience in Branching, Merging and Tagging concepts in version control tool GIT and its web repositories in Github for source code storing and management.
- Setup and Configure the continuous build system using Jenkins and Created CI/CD pipeline jobs and integrating with tools GIT, Maven.
- Good Knowledge of creating users and restricting permissions to the jobs and giving access to the respective jobs by customizing the permissions in Jenkins.
- Hands on Experience in troubleshooting the problems generated while building, deploying and infrastructure related issues.
- Efficient in working closely with teams to ensure high quality and timely delivery of builds and releases.
- Experience in using JFrog for artifact storage and for downloading artifacts for deploying it on application and testing.
- Worked on Docker like creating and managing images, containers, networks, storage and Dockerfiles.
- Having Experience in creating infrastructure by using variables, templates and modules in terraform and handled some of the resources in AWS using Terraform.
- Hands on experience on configuration management tool Ansible.
- Created Ansible playbooks and roles for configuring and deploying applications to different environments.
- Managing and building code using continuous integration and deploying code to DEV, QA, UAT and PROD environments using Ansible.
- Good Knowledge on the advantages, architecture and complete workflow of Kubernetes.
- Hands-on experience on AWS cloud services IAM, VPC, EC2, S3, EBS, ELB, Auto Scaling, ECR, ECS, SQS, SNS, Cloudwatch.

Technical Skills:

Cloud Technology	: Amazon Web Services
Operating system	: RHEL, Ubuntu
Scripting Language	: Shell Scripting
Configuration management	: Ansible
Version Control	: GIT, GITHUB
Build/Artifactory tools	: Maven/JFrog
CI/CD	: Jenkins
Code Quality	: Sonarqube
Containerization tool	: Docker, Kubernetes
Deployment tool	: ArgoCD
Infrastructure as Code	: Terraform
Database	: MySQL
Application Server	: Tomcat
Monitoring tools	: Nagios, Cloudwatch

Projects:

1. Deploying a Java Web Application into Kubernetes Cluster using Ansible. [Project Link](#)

   I utilized Git, GitHub, Maven, Jenkins, Docker, SonarQube, Ansible, Nginx, and Let's Encrypt to streamline the project. This enabled version control, automated builds, code quality analysis, efficient deployment, and secure SSL integration, resulting in a seamless and scalable Java web application.

2. Streamline the Deployment of your Ecommerce Application with Kubernetes Cluster. [Project Link](#)

   Efficiently deploy your Ecommerce application using Git, GitHub, Jenkins, Docker, ArgoCD, and Kubernetes for streamlined deployment.

3. Deploying a sample PHP To-Do 3 Tier Application on Kubernetes Cluster. [Project Link](#)

   In this project we are going to deploy a sample php to-do application to Kubernetes cluster and the architecture is going to 3 tier where we are using MySql as Database and phpMyAdmin for Database Management and php for developing the application.

4. Spring Boot based Java web application using Maven, SonarQube, Argo CD and Kubernetes. [Project Link](#)

   This is a simple Sprint Boot-based Java application that can be built using Maven. Sprint Boot dependencies are handled using the pom.xml at the root directory of the repository. I have used SonarQube for static code analysis and then dockerized the application and pushed it to ECR. Here I used Argo CD to deploy the application into the Kubernetes cluster.

Professional Experience:
Worked as DevOps Engineer in Eify Academia, Warangal.

Project Details:

Title	:	School Management Application
Duration	:	Nov 2022 – May 2023
Skills	:	Linux, AWS, Git, GitHub, Jenkins, Ansible, Terraform, Docker

Responsibilities:
- Complete understanding of source code management, its working process and advantages.
- Good knowledge in using git commands like git pull, git push, git fetch, git clone, git log and other git commands.
- Complete hands on experience on dealing with git branching, merging branches, switching branches and resolve merge conflicts.
- Good understanding of docker, its components, work flow and created many docker containers from docker images.
- Created private docker registry to store docker images so that only project members can able to access to make sure that security is at its peaks.
- Created docker volumes to provide high availability to data even if any of the docker container goes down.
- Good hands on experience in sharing docker volumes among containers and between container and host.
- Good knowledge in Idempotency concepts of ansible
- Complete hands on experience in writing YAML script in various playbooks.
- Well aware of using various sections in ansible like target section, task section and etc.
- Used ansible vault to secure information like passwords and secret key files.
- Complete understanding of Jenkins workflow as well as its advantages over other CI-CD tools.
- Installed various Jenkins plug-ins from Jenkins community as Jenkins is all about plug-in and play.
- Responsible to establish complete pipeline work flow starting from pulling source code from git repository till deploying end product into servers.
- Installing and configuring Terraform and building the infrastructure using terraform configuration file.
- Built Jenkins jobs to create AWS infrastructure from GitHub repos containing terraform code.

Worked as DevOps Engineer in Sitel India Pvt Ltd, Hyderabad.

Project Details:

Client   :   TIBCO Software
Title   :   Ecommerce Operations Infrastructure
Duration   :   Feb 2020 – Nov 2022
Skills   :   Linux, AWS, Git, GitHub, Maven, Jenkins, Ansible, Terraform, Docker, JFrog, Sonarqube

Responsibilities:

- Created Branches and Tags on request from Development Team in Git.
- Taking backups of code and Databases before new deployments.
- Checking and automating if the Servers are running out of disk.
- Worked on Jenkins by installing, configuring, and maintaining continuous integration (CI) and End-to-End automation for all builds and deployments.
- Worked with developers, QA and product support teams to identify and resolve build problems.
- Configured scheduled jobs so that they can run frequently without the manual trigger and in case of any new project setup, creation of new jobs in Jenkins for some basic tasks.
- Configuring pre and post-build actions in Jenkins as per project requirements.
- Integrating Jenkins with Maven, JFrog and building the artifacts and then pushing them to JFrog Artifactory.
- Used Ansible vault to secure information like passwords and secret key files.
- Making configuration changes on Servers and writing Playbooks for automating the daily tasks using Ansible.
- Experienced in creating custom Docker Images using Docker file and creating Docker Volume and Docker Networking and pushing the images to ECR.
- Deploying artifacts like .jar and .war to ECS cluster using application configuration tool Ansible.
- Taking backups of Instances and taking backups of Production Databases and Providing them to Developers on Staging/ Testing Environments for testing of any issues.
- Administering users, groups, and roles & setting up policies by using IAM and also Creation of VPCs, S3 buckets, and Ec2 Instances automating them through Terraform.
- Manage and configure AWS services as per the business needs (EC2, S3, IAM, VPC, ECR and ECS).

Educational Details:

Graduation   : B.Tech(ECE) - Talla Padmavathi college of Engineering (JNTUH) - 2016 - 76.5%
Intermediate   : Sravanthi Junior College - MPC - 2012 - 91.5%
SSC   : Vishwa Shanthi high School - 2010 - 85%

Declaration:

I hereby declare that the information furnished above is true up to my knowledge and I bear the responsibility for the correctness of the above mention particulars.