Dasari Sai Kishore

DevOps Engineer

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Objective:

Enthusiastic and results-driven DevOps engineer with 10 months of expertise in Build and Release Engineering, dedicated to optimizing software development and delivery processes through automation and industry best practices. Proficient in integrating various DevOps tools to achieve continuous integration, continuous delivery (CI/CD), and infrastructure as code (IaC) principles. Proven collaborator with development teams to ensure consistent and reliable deployments. Passionate about driving efficiency and security throughout the software development lifecycle.

Profile Summary:

- As a DevOps Engineer, I possess hands-on technical expertise in Build, Release, and Configuration Management, adeptly managing Linux environments and leveraging various AWS services.
- Experience in Branching, Merging and Tagging concepts in version control tool GIT and its web repositories in Github for source code storing and management.
- Collaborated closely with development teams to understand their needs and ensure efficient integration of DevOps practices.
- Setup and Configure the continuous build system using Jenkins and Created CI/CD pipeline jobs and integrating with tools GIT, Maven, etc,.
- 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.
- Worked on Docker like creating and managing images, containers, networks, storage and Dockerfiles.
- 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.
- Integrated SonarQube into the CI/CD pipeline for static code analysis and continuous code quality improvement.
- Good Knowledge in creating infrastructure by using variables, templates and modules in terraform and handled some of the resources in AWS using Terraform.
- Created Ansible playbooks and roles for configuring and deploying applications to different environments.
- 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.
- Developed shell scripts for automating repetitive tasks such as automated backups, monitoring system resources, and log rotation for optimized disk space usage.
- Kubernetes enthusiast possesses a strong understanding of Kubernetes architecture and workflows, eager to implement container orchestration for further efficiency and scalability.
- Hands-on experience on AWS cloud services IAM, VPC, EC2, S3, EBS, ELB, Auto Scaling, ECR, ECS, SQS, SNS, Cloudwatch.

Technical Skills:

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

Projects:

1. <u>Deploying a Java Web Application into Kubernetes Cluster using Ansible</u>. <u>Project Link</u>

    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. <u>Streamline the Deployment of your Ecommerce Application with Kubernetes Cluster</u>. <u>Project Link</u>

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

3. <u>Deploying a sample PHP To-Do 3 Tier Application on Kubernetes Cluster</u>. <u>Project Link</u>

    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. <u>Spring Boot based Java web application using Maven, SonarQube, Argo CD and Kubernetes.</u> <u>Project Link</u>

    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 Associate Software Engineer in Eify Academia Pvt Ltd, Warangal.

Project Details:

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

Responsibilities:

*   Complete understanding of source code management, its working process and advantages.
*   Managed and maintained Git repositories, branching strategies, and code reviews for seamless collaboration among development teams.
*   Orchestrated Maven builds to automate the compilation and packaging of application artifacts.
*   Spearheaded the implementation and maintenance of a robust CI/CD pipeline using Jenkins, automating build, test, and deployment across dev, stage, and production environments.
*   Automate to send email notifications to all team members if in case of any build failures.
*   Installed various Jenkins plugins from Jenkins community as Jenkins is all about plug-in and play.
*   Built Jenkins jobs to create AWS infrastructure from GitHub repos containing terraform code.
*   Utilized Docker to package applications into containerized units, ensuring portability and consistency across environments.
*   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.
*   Integrated SonarQube into the CI/CD pipeline to monitor code quality, enforce coding standards, and improve code coverage.
*   Implemented Ansible for automated configuration management, guaranteeing infrastructure consistency and reducing manual intervention.
*   Streamlined infrastructure provisioning and management using Terraform, enabling rapid and scalable infrastructure deployments on AWS ECS.
*   Developed shell scripts for proactive system monitoring and maintenance, optimizing resource utilization and system performance.
*   Installing and configuring Terraform and building the infrastructure using terraform configuration file.

Worked as Senior Customer Service Professional in Sitel India Pvt Ltd, Hyderabad.
Duration   :   Feb 2020 – Nov 2022

Responsibilities:
- Understand the basic professional standards and established procedures, policies before taking action and making decisions
- Experience in Accounts Payable or Accounts Receivable field is an advantage.
- Acquiring knowledge & skills of related areas of the process.
- Understands the Values and Characteristics of perfect service and uses the Perfect service filters at work.
- Effectively prioritizes work time to ensure productivity and fulfills department standards for time spent.
- Interpersonal relationship at work with peers, supervisors and not have any recorded instance of misconduct.
- Direct unresolved issues to a different department if needed.
- Exceeded team goals and collaborated with staff to implement customer service initiatives.

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.