Neelima Challa

DevOps Engineer

DevOps Engineer with hands-on experience automating critical deployments in Continuous Intergration and Continuous Delpoyment (CI/CD), Containerisation, Infrastructure as Code and AWS tools.

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ACADEMIC PROFILE

B.Tech in Computer Science
Koneru Lakshmaiah Education Foundation

2014 - 2018   *8.55 GPA*

DEVOPS KNOWLEDGE

DevOps
Hands-on Experience

Achievements/Tasks

- Automate Provisioning EC2 and EKS cluster with Terraform.
- Deploying applications on Kubernetes with and without Helm Charts.
- Used Jenkins and AWS tools to cut release times by 20%.
- Wrote Ansible (Yaml) scripts to automatically update system components, saving 30% admin time.
- Worked with CI/CD pipelines providing continuous integration and continuous delivery to software development teams.
- Creating containers by using Docker.
- Experience in Setting up the build and deployment automation for Terraform Scripts.
- Dynamically increment Application version in Jenkins pipeline.
- Build artifact using Maven and Npm.
- Imported and managed multiple applications into Git.

Personal Reasons
India

08/2018 - 05/2021

Achievements/Tasks

- I prepared for competitive exams like UPSC,SSC and AP State PSC.
- Due to postponement of exams and delay of notifications, results and postings due to COVID I have moved to IT openings.

SKILLS

Infrastructure Provisioning : Terraform	Configuration Management : Ansible
Container Orchestration : Kubernetes	Cloud provider : AWS
CI/CD Build Automation : Jenkins	Container : Docker
Monitoring : Prometheus and Grafana	Source code management/Version control System : Versioning : Git , Repository : Github
Programming/Scripitng : Bash,Python and Groovy	Build Code : Maven and Npm

PROJECTS

DEPLOYING MICROSERVICE APPLICATIONS INTO KUBERNETES CLUSTER :

- All the microservice applications are deployed into Kubernetes cluster by using Helm chart with Best Practices.
- Components created by using a blueprint for deployment and service yaml files and values file is set for individual microservices and created separate helm chart for Redis.
- Worked with Helmfile for declarative way of deploying Helm charts.
- Took new real-time challenges, made self-learning and met requirements efficiently.

COMPLETE CI/CD PIPELINE OF JAVA APPLICATION ON EC2 SERVER :

- Executed a script to Dynamically increment application version in Jenkins Pipeline.
- Building an artifact using Maven.
- Built Docker image of the artifact and pushed to Docker repository and ECR.
- Automate Provisioning EC2 Instances/Servers with Terraform with Autoscaling.
- Deploy to EC2 with Ansible using Dynamic inventory or provisioner in Terraform.
- Installed Plugins and adding credentials to Jenkins as needed.
- Introduced methodologies and best practices that enhanced product definition and supported in rapid development.

SOFT SKILLS

Communication : Open-minded, outgoing and patient in conversations with others and have good interpersonal skills.

Ploblem solving, Critical Thinking, Active Learning.