AMAL A

DEVOPS

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ABOUT ME

I am highly motivated and eager to learn and grow in this domain have hands-on experience with a variety of tools. I am a strong team player and believe in the power of collaboration to find solutions to complex problems.

TOOLS

- Git
- Github
- Jenkins
- Docker
- Kubernetes
- Helm
- HelmChart
- Istio
- Argocd
- Ancible
- SonarQube
- Nexus
- Prometheus
- Grafana
- Elasticstack
- Terraform
- Python Django
- linux commands
- Docker-compose
- AWS
- SQL
- Python

Linkedin : amal-devops-python-fullstack

Portfolio : MyPortfolio

Git hub   : https://github.com/comrider

SKILSS AND COMPETENCIES

- Skills and competence
- Hands-on experience with Git, including familiarization with trunk-based branching model and Git flow
- Proficient in using Git commands such as init, remote & origin, add, status, commit, pull, push, merge, rebase, checkout, revert, cherry-pick, config, log, and fetch.
- Hands-on experience with Linux, including file and folder operations, user and group management, and SSH/SCP
- Proficient in using Linux commands such as chmod, chown, sed, find, cron, and vi/vim
- Familiarity with the Linux file system, including the purpose of different folders like bin, usr, root, etc, opt, tmp, lib, sys, var, etc.
- Experience with archive tools such as tar, zip, and unzip
- Knowledge of service management, including systemctl and init.d
- Experience with firewall and SELinux.
- Configured Jenkins to perform static code analysis on SonarQube and setup quality gate
- Created Jenkins pipeline jobs that are automatically triggered with GitHub webhook
- Hands-on experience with creating Dockerfiles and multi-stage Docker builds
- Created Jenkins pipeline jobs to perform various tasks such as Git checkout, Maven/Dotnet build, unit testing, code analysis, Docker login & build, Docker tagging with the build number and pushing to a registry, and Docker logout.

SOFT SKILLS

Flexible : with my experience in CDAC and Brototype I acquired skills to learn things faster and versatile

Debugging : While I am practicing I have developed skill to debug unexpected errors and fix them.

Team Player : I have participated various group events and discussions during the last 6 months in Brototype.

EDUCATIONAL BACKGROUND

Dates   : present
Qualification   : AMIE in Mech.
Principal Studies   : MECHANICAL
Institution   :IEI Kolkata

Dates   : April 2016
Qualification   : Diploma
Principal Studies   : E$C

INTERNSHIP

BROTOTYPE - intern
DATE: 2022 - present
POSITION : Intern

C-DAC - internship
DATE: 12/06/17-11/06-18
POSITION : Technician Apprentice

HOBBIES
- Reading
- Travelling
- Music
- Movies
- Bike riding

DECLARATION

I here by declare that the above information is accurate and truthful to the best of my knowledge .

- Hands-on on creating manifest files in YAML for various Kubernetes resources such as Namespace, Pod, ReplicaSet, Deployment, Service (ClusterIP, NodePort, LoadBalancer), DaemonSet, ConfigMap, Secret, HPA, and Ingress
- Created Helm charts for a Maven-based application, including Deployment, Service, HPA, and Ingress. Integrated the Helm chart as a part of a Jenkins pipeline and pushed it to ECR.
- Hands-on experience with Istio on Kubernetes, including understanding of the use cases of Istio Service, Virtual Service, Destination Rule, Service Account, Cluster Role, Cluster Role Binding, PDB, Gateway, and RBAC.
- Familiarity kiali which can be used to monitor and troubleshoot the service mesh.
- Hands-on experience with ArgoCD and Argo-Rollouts on EKS cluster with auto-sync enabled to perform automatic deployment when there is a change to IaC code.
- Experience with Blue-Green Deployment using Argo-Rollout combined with Istio
- Experience with setting up and exploring Prometheus and Grafana on an EKS cluster
- Experience with setting up and configuring Elastic Stack on an EKS cluster.
- Hands-on experience with Terraform, used to provision various AWS infrastructure.
- Experience creating and working with Ansible playbooks, used to automate the configuration management tasks.

- Projects:
  - projects: git url
  - djanogo git Url: