AMAL A

DEVOPS

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ABOUT ME

A self-taught DevOps Engineer with a strong foundation in Linux administration, cloud computing, and automation. Possess high technical skills and knowledge to support software development and delivery, and have a passion for automation and cloud technologies.

TECHNICAL SKILLS

- **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/AmalAsokakumar

PROJECTS

DEVOPS

- Project 1: git url : E-commerce
  - Successfully deployed a **Django**-based application using **Nginx**, **uWSGI**, and **EC2** on AWS.
  - Utilised **Route53** and **RDS** for **DNS** and database management. Implemented SSL certification and a custom domain name for the application.

- Project 2: git url: Jenkins-Pipeline
  - Utilised **Jenkins** to automate the build and deployment process of a java application.
  - Incorporated code analysis with **SonarQube**,
  - Containerisation with **Docker**, and docker image is pushed to AWS **ECR.**
  - Deployed on an **EKS** cluster with **Helm chart**.
  - Implemented the use of the **sed** command to dynamically update the image tag version on the Helm chart with each new build.

- Project 3: git url : Argo
  - Created a project, utilising **Argo CD**, Jenkins, and AWS **ECR** to automate the build and deployment process of a **Helm chart** on **EKS** cluster.

- Project 4: git url: Ansible Playbook
  - Deployed ElasticStack using an Ansible Playbook

CERTIFICATIONS

- **Terraform Certified Associate - 03/23**

SOFT SKILLS

- Flexible
- Debugging
- Team Player

EDUCATION

- **AMIE** *2018 - present*
  Mechanical Engineering,
  Kolkata

- **DIPLOMA** *2013 - 2016*
  Electronics and Communication Engineering
  Pandalam, Pathanamthitta

INTERNSHIP

- **BROTOTYPE** - Internship *2022 - present*
  self learning platform, where skill are evaluated and guided by industrial experts

- **C-DAC** - Internship *2017 - 2018*
  Worked as an Elecronics intern, participated in various RAD project developement and testing stages.

LANGAUGES

- English
- Malayalam

- Project 5: git url: AWS CI-CD
  - Django Web Application Deployment using AWS **CodeCommit, CodeBuild**, **CodeDeploy**, and **CodePipeline.**

- Project 6: git url: Lambda Function
  - AWS **Lambda** Functions Integration with AWS **Step Function**

- Project 7: git url : Github Actions
  - Using **GitHub Actions** to build a pipeline job and create a Maven build artifact for Java projects, while following software development best practices.

Django

- Project 8: git Url: Ecommerce
  - Developed an e-commercial website named "Zaya" using **Django** that is designed for selling clothes.
  - The front-end of the website has been developed using **HTML**, **CSS**, **BootStrap** and **JavaScript**, and the back-end has been developed using **Python Django**.
  - The website features mobile OTP authentication, which has been enabled using "Twilio".
  - Both registered users and guests can use the cart, but to purchase a product, users must log in and can pay through cash on delivery or PayPal.
  - Users have access to their own cart, and the product inventory decreases as they make purchases.
  - On the admin side, the admin has access to various features such as blocking or unblocking users, tracking purchase statistics, generating sales reports, creating offers, changing banners, adding or removing products, and more.

DECLARATION

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

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