

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
- Ansible
- 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: Successfully deployed a **Django**-based application using **Nginx**, **uWSGI**, and **EC2** on AWS. Utilized **Route53** and **RDS** for **DNS** and database management. Implemented SSL certification and a custom domain name for the application.
git url : [E-commerce](#)
- Project 2: Utilised **Jenkins** to automate the build and deployment process of a java application, incorporating code analysis with **SonarQube**, containerisation with **Docker**, and docker image is pushed to AWS **ECR** and 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
git url: [Jenkins-Pipeline](#)
- Project 3: Created a project, utilising **Argo CD**, **Jenkins**, and AWS **ECR** to automate the build and deployment process of a **Helm chart** on **EKS** cluster.
git url : [Argo](#)
- Project 4: Deployed Elastic Stack using an Ansible playbook
git url: [Ansible Playbook](#)

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 Electronics intern, participated
in various RAD project development and
testing stages.

LANGAUGES

- English
- Malayalam

DECLARATION

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

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- Project 5: Django Web Application Deployment using
AWS **CodeBuild**, **CodeDeploy**, and **CodePipeline**.
git url: [AWS CI-CD](#)
- Project 6: AWS **Lambda** Functions Integration with
AWS **Step Function**
git url: [Lambda Function](#)
- Project 7: Using **GitHub Actions** to build a pipeline
job and create a Maven build artifact for Java projects,
while following software development best practices.
git url : [Github Actions](#)

Django

- Project 8: 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**, 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.
git Url: [Ecommerce](#)