



Induwara Mihisara

DevOps Engineer Intern

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About Me

I am a motivated Software Engineering undergraduate with strong hands-on experience in DevOps tools and cloud technologies. I have built CI/CD pipelines using Jenkins, GitHub Actions, and ArgoCD, and deployed applications using Docker, Kubernetes, and AWS. I enjoy automating workflows, solving problems, and learning modern technologies to create reliable and scalable systems.

Education

B.Sc.(Hons) Software Engineering

University of Kelaniya

GPA - 3.3

2023 - 2027

Ga/ Sri Devananda College

Maths Stream - 1A 2B

O/L - 7A 2B

2008 - 2021

Skills

DevOps & CI/CD

- Jenkins, GitHub Actions, Argo CD (GitOps), CI/CD Pipeline Automation

Containers & Orchestration

- Docker, Docker Compose, Kubernetes (Deployments, Services, Ingress), AWS EKS

Cloud & Infrastructure

- AWS (EC2, VPC, S3, ALB, Auto Scaling, Fargate, CLI), Linux System Administration, Networking Fundamentals (VPC, Subnets, Security Groups)

Programming & Scripting

- Java (Spring Boot), JavaScript(React, React Native, Express), Shell Scripting, Python, PHP

Tools & Version Control

- Git & GitHub, Postman, Docker Hub, Maven

Databases

- MongoDB, MySQL

Projects

1.Ultimate CI/CD Pipeline for Spring Boot Application (Individual Project)

Jenkins | Argo CD | Docker | Kubernetes | SonarQube | GitHub | Maven | GitOps

- CI (Jenkins):** Pulls code from GitHub, builds & tests using Maven, and performs static code analysis with SonarQube, builds Docker images, and pushes them to Docker Hub.
- CD (ArgoCD):** Deploys the updated Docker image to a Kubernetes cluster through a fully automated GitOps workflow. Improved deployment speed, build reliability, and automation across the application lifecycle. [GitHub Repo](#) [LinkedIn Post](#)

2.Game Deployment on AWS EKS (Individual Project)

AWS EKS | Fargate | Kubernetes | ALB | Ingress | kubectl | YAML

- Created an AWS EKS cluster with Fargate profiles for serverless pod execution.
- Deployed the 2048 game using Kubernetes deployment, service, and ingress YAML files.
- Configured Ingress with an Application Load Balancer (ALB) to expose the application to the internet.
- Ensured smooth, scalable, and secure deployment using Kubernetes on AWS.

[GitHub Repo](#) [LinkedIn Post](#)

3.Dockerized MERN Stack Application Deployment on AWS EC2 (Individual Project)

Docker | Docker Compose | MERN | AWS EC2 | Containerization

- Dockerized the full MERN application: frontend (React), backend (Node.js + Express), and MongoDB.
- Used Docker Compose to manage multiple containers and simplify deployment.
- Connected all services through a shared Docker network for seamless communication.
- Hosted and ran the Docker containers on an AWS EC2 instance.

[GitHub Repo](#) [LinkedIn Post](#)

4.CI/CD Automation with GitHub Actions (Individual Project)

GitHub Actions | Python | Pytest | AWS EC2 | CI/CD | Workflow Automation

- Set up a GitHub Actions workflow on a self-hosted AWS EC2 runner.
- Automated running of Python tests using Pytest on every code push.

[GitHub Repo](#) [LinkedIn Post](#)

5.Scalable & Secure Web Application on AWS (Individual Project)

AWS (VPC, EC2, ALB, Auto Scaling, Bastion Host) | Cloud Computing | Networking | Security

- Created a VPC with 2 Availability Zones, including public and private subnets.
- Launched EC2 instances in private subnets with Auto Scaling (min 1, desired 2, max 4).
- Configured a bastion host for secure SSH access to private instances.
- Deployed an Application Load Balancer (ALB) in public subnets to handle user traffic.

[LinkedIn Post](#)

Full Stack Projects

1.Full Stack Food Delivery Application(Individual Project)

React | Spring Boot | Mongo DB | AWS S3 | Stripe | JWT | Bootstrap

- Built a food delivery platform with separate customer & admin web apps.
- Customer app: menu browsing, order placement, Stripe payments.
- Admin panel: manage items, track orders, handle customer data.
- Backend: Spring Boot + MongoDB.
- AWS S3: secure menu image storage. [GitHub Repo](#) [LinkedIn Post](#)

2.Realtime Social & Video Calling Application for Language Learners(Individual Project)

React | Express.js | Mongo DB | Tailwind CSS | JWT | Streamify API

- Built a real-time chat & video calling app for language learning.
- Features: user accounts, friend management, messaging, peer-to-peer video calls.
- JWT for authentication & Streamify API for real-time communication.
- Frontend: React + Tailwind CSS.
- Backend: Express.js + MongoDB. [GitHub Repo](#) [WebSite](#) [LinkedIn Post](#)

3.Secure E-Commerce Web Application(Ind.)

React | Spring Boot | MySQL | Auth0 | Tailwind CSS | Bootstrap
[GitHub Repo](#) [Article](#)

4.To-Do List Mobile App(Ind.)

React Native | TypeScript | Zustand | AsyncStorage | Design
[GitHub Repo](#) [LinkedIn Post](#)

5.Fuel Management System (Group-Project)

React | React Native | Spring Boot | MySQL | H2 | Firebase Auth | Mailgun
[GitHub Repo](#) [LinkedIn Post](#)

Work Experience

- **Trainee Banking Assistant** - Saving Department People's Bank Ambalangoda (2022-2023)
- **Member of Software Engineering Students Association** - University of Kelaniya (2023 - Present)

References

Dr. Nalin Warnajith

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Dr. Isuru Hewapathirana

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