

# EMMANUEL OMOLE

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## EDUCATION AND TRAINING

Bachelor of Computer Science, Babcock University

2018 - 2022

Relevant Coursework: Data Structures and Algorithms, Database Design and Management, Artificial Intelligence and Applications, Object-Oriented Design, Mathematics and Software Development Life Cycle.

Coursera - [Introduction to Cloud Computing](#)

July 2022

Coursera - [Machine Learning Specialization](#)

September 2022

## PROJECTS

Food Delivery App REST API. [Swagger Documentation](#)

GitHub

- Implemented various user types like customers, riders, vendors and vendor employees.
- Implemented features for vendors to have menu categories, main dishes, varieties of toppings/extras.
- Implemented a notification service for difference stages of an order for all users through emails, in-app notifications and push notifications for devices based on the user’s choice.
- Implemented the use of websockets APIs for long running API requests
- Implemented a wallet feature for all users for easy payment for meals and rides.
- Celery and RabbitMQ were used to handle background tasks such as sending notifications. Post-greSQL was used as the data store.
- Tools and frameworks used are Django, Django REST Framework, Heroku, Python.

Wise X - An Algorithmic Trading Bot. [Visit App Here](#)

GitHub

- Built a web application for easy registration of users, and payment of services using the Coinpay-ments API.
- Integrated the web app with a bot that trades futures for users on Binance.
- Celery was used to handle background tasks such as sending emails, checking the expiry dates of subscriptions, and updating the database when a transaction is successful or timed out.
- PostgreSQL was used as the data store.
- Tools and frameworks used are Django, HTMx, Bootstrap, and Heroku.
- AWS Services: Amazon MQ, Amazon RDS, S3 Buckets, e.t.c.

An eCommerce Aggregator. [Visit App Here](#)

GitHub

- Implemented the use of Selenium, BeautifulSoup, and the requests library for scraping product prices, descriptions, star ratings, et.c for easy product and comparison for users using python.
- Retrieved products data from Jumia, Aliexpress, Amazon, and Ebay to display products on the web app.
- PostgreSQL was used as the data store.
- Tools and frameworks used are; Python, Django, PostgreSQL, HTML/CSS, JavaScript.

## EXPERIENCE

Ethnos IT Solutions

September 2022 - Present

Software Engineer

Lekki, Lagos

- Responsible for building RESTful API endpoints and SDKs to Scan, Monitor and Protect mobile applications based on MASVS standard using python.(subject to a non-disclosure agreement; no further details available)
- Implementing the use of websockets APIs for long running API requests
- Handling CI/CD using github workflows to test and deploy apps to AWS ECS Clusters
- Implementing the use of docker, docker-compose, ECR/ECS, security groups, Github, Post-greSQL, Django Rest Framework to build and deploy the backend.

Ethnos IT Solutions

February 2021 - August 2021

Software Engineer Intern

Lekki, Lagos

- Developed a web app that scans for open ports and vulnerabilities on a network using Nmap and python to automate all the steps.
- This was achieved using Python, HTML, CSS, JavaScript, and Bootstrap, with Django as the web framework and PostgreSQL as the database.

## SKILLS

Technical Skills

Full-stack Development, REST API Development, System Design, Github

Soft Skills

Teamwork, Leadership, Problem-solving, Good Communication, Adaptability

Languages

Fluent in CSS, HTML, JavaScript, jQuery, SQL and Python

Expertise in

Django Framework, Django REST APIs, React.js

## HOBBIES AND INTERESTS

- Machine Learning/Data Analysis.
- Web Scraping.