

AARON TUKPAKONBOWEI BEN-ELIJAH

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SKILLS

Proficient: Python, Flask, PostgreSQL, SQLAlchemy, Unittest, Docker, Kubernetes

Moderate: HTML5, CSS, JavaScript, React.js

PROJECTS

Deployment of Flask App to Kubernetes Using EKS

07/2022

<https://github.com/aaronben41/cd0157-Server-Deployment-and-Containerization>

- Created a container for a Flask web app using docker and deployed it to a Kubernetes cluster using Amazon EKS
- Created a Continuous Integration/Continuous Delivery Pipeline that would be triggered by GitHub check-ins, using AWS CodePipeline and CodeBuild
- Automated testing to prevent bad code from being deployed through the CI/CD Pipeline, and monitored the app's performance using AWS tools.

Coffee Shop Full Stack App

07/2022

<https://github.com/aaronben41/Udacity-project-coffee>

A full stack drink menu web application that provides information, and allows certain levels of functionalities, depending on user access and roles. Some of the tasks performed are outlined thus:

- Built the backend for the web application using Flask
- Integrated user accounts and authentication using Auth0
- Used role-based access management strategies to control different types of user behaviour in the app.

Trivia Full Stack Quiz App

06/2022 – 07/2022

<https://github.com/aaronben41/cd0037-API-Development-and-Documentation-project>

A quiz application built with Flask backend and React frontend. Some of the skills acquired include:

- CRUD operations on a PostgreSQL database
- Database modelling using SQLAlchemy
- API Integration with React.

EDUCATION

Udacity

www.udacity.com

Full Stack Web Developer Nanodegree

05/2022 – 08/2022

Core Curriculum: SQL and Data Modeling for the Web, API Development and Documentation, Identity Access Management, Server Deployment and Containerization.

Activities and societies: Weekly connect sessions, career coaching sessions, and professionally graded assessments.

University of Uyo, Uyo

Uyo, Nigeria

Bachelor of Engineering (B.Eng.) in Mechanical Engineering

11/2015 – 02/2022

Grade: First Class Honours

PROFESSIONAL EXPERIENCE

Chritech Digital Services

Uyo, Nigeria

Co-founder and Chief Technology Officer

09/2020 – Present

- Managed technical relationship with clients and vendors
- Collaborated with sales and marketing departments to ensure a strong online presence.