

David

Software Engineer

DAVID ONWULI.C

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Skills

Hard skills: Python, HTML, C-lang, Flask, Css, JavaScript, Nginx, NodeJS

Soft skills:

- A fast learner with a proven track record of achievements;
 - Proven collaborator with a deep understanding of software engineering principles;
 - Committed to personal and professional development, enhancing value to the team;
 - Exceptional communication skills;
 - A strong sense of business acumen and the understanding that the organization's commercial objectives are crucial to my work;
 - Track record of taking ownership and delivering solutions to challenging problems;
 - Dedicated to optimizing customer satisfaction while achieving organizational goals;
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Experience

ALX / Intern

JUNE 2022 - JULY 2023

- Implemented backend solutions using python (flask framework) and JavaScript (Node js)
 - Implemented a file manager web api using node js
 - Implemented basic authentication functionalities in my node app
 - Used redis as a caching database for my node app
 - Used mongodb as the primary database for my file manager app
 - Used the python unittest module for testing along side practicing test driven development
 - Developed an Airbnb clone using python and sql and others.
- Worked with database technologies such as MySQL and PostgreSQL to design and implement efficient data models and queries.
- Improved application performance and scalability through optimization and refactoring of code.
- Utilized agile development methodologies and paid attention to project deadlines to ensure the timely delivery of projects.

Side Hustle Internship

April 2022 – May 2022

- Designed and developed static responsive web applications using HTML/CSS/Javascript.
- Collaborated with cross-functional teams to design, build and deploy web solutions.

- Utilized version control systems (Git) to manage code and collaborate with team members.

Zuri HNG X Internship

September 2023 - present

- Designed and developed multiple backend solutions for various projects with and ever changing team that changes per projects.
- Designed the backend on a screen recording extension and implemented views to assist when video preview.
- Developed the backend for a mobile app for gifting foods and tokens writhing organizations.
- Collaborated with cross-functional teams to design, build and deploy web solutions.
- Utilized version control systems (Git) to manage code and collaborate with team members.

Personal Projects

File manager

Link: https://github.com/cazicruz/alx-files_manager

The file manager project is a web API project that helps users add files to a secured location on the web, restricting access to these files to just them alone, one could call it the online safe for files of all sizes.

- Developed the Backend of the project to showcase proficiency in backend development concepts using node js and express.
- Implemented caching sessions and utilized HTTP authorization for secure and efficient data handling.
- Implemented user login authentication using hashing techniques to ensure data privacy and security.
- Utilized version control with Git to track and commit changes throughout the project development process.
- Conducted thorough testing and debugging of the backend functionalities to identify and resolve any issues or bugs.
- Collaborated with the project stakeholders to understand and prioritize requirements.
- Continuously researched and kept up-to-date with the latest backend development trends, best practices, and technologies to incorporate them into the project as appropriate. Successfully completed the project, showcasing proficiency in backend development concepts using nodejs and Express. Demonstrated knowledge of caching sessions, HTTP authorization, user login authentication with hashing techniques, files storage / upload and effective version control using Git

In the app I have implemented a Redis database to serve as a caching system, and for the native database itself I used Mongodb, for the user authentication i have implemented the basic authentication logic and also a Json web token to go alongside the basic AUTH reducing the need for user to keep signing in with username and password authentication was achieved and files where saved properly

MARKET

Link: <https://github.com/cazicruz/Market>

Market is an E-commerce application developed using python framework Flask along with frontend tools like HTML, CSS, Javascript and Jinja templating while leveraging other popular python packages to speed up and boost production, the main goal of the project was to develop a portable e-commerce application that can easily be shared amongst developers and businesses to help fast track and ease the process of acquiring an e-commerce site and help small scale business owners to sell their products on line at a cheaper cost.

SM-RETAIL

Link: [SM-RETAIL](#)

Sm-retail is a social media marketing platform that helps users grow and achieve their social media objectives and goals with ease and ontime giving users the satisfaction and audience they deserve.

SM-RETAIL was written in Python's Flask framework, HTML, CSS and forms where

styled in Bootstrap, using SQL database solutions and migration was integrated to support changes as the database models changed in development.

Education

University of Port Harcourt / B.engr

2015 - 2021, Port Harcourt, Nigeria

Here I studied Computer/ Electronics Engineering with a focus in hardware and software systems.

Federal Government College / NECO

2010 - 2013, Port Harcourt, Nigeria

Summary

Innovative Software Engineer with a history of designing and developing cutting-edge solutions. Proficient in full software development lifecycle, from concept ideation to implementation and testing. Adept at collaborating with cross-functional teams, translating complex requirements into functional code, and delivering high-quality applications. Skilled in a wide range of programming languages, frameworks, and tools, including HTML, CSS, JavaScript, Python, Flask, Node js, express js, REST api . Experienced in version control, continuous integration, and agile methodologies. Passionate about staying current with industry trends and adapting to new technologies. Excited to contribute technical expertise and drive excellence in software development.