BENSON CHRISTOPHER EMUZO

[Software Engineer]

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PROFESSIONAL SUMMARY

An unusual, ever ready software engineer with a keen interest in backend engineering. Proficient in using tools like Node.js, Express, and MongoDB, PostgreSQL and PHP. Experienced in creating and optimizing RESTful APIs, crafting detailed API documentation, and implementing unit tests to maintain high-quality code standards. My goal is to deliver reliable, secure and scalable solutions that align with project goals and enhance functionality across applications.

TECHNICAL SKILLS & TOOLS

JavaScript, TypeScript, Node.js, Express, MongoDB, Mongoose, PHP, MySQL, PostgreSQL, Electron.js, HTML, CSS, Bootstrap, Swagger, Postman, Jest & Supertest (unit testing), Git & GitHub

CERTIFICATIONS

- InternPulse Finalist (Backend Developer)   **December, 2024**

PROFESSIONAL WORK EXPERIENCE

Media Deal

Software engineer (Full-time) **–** Remote **-** *August 2024 – present*

- Collaborate with other software engineers in building the [Media Deal](#) web application.
- Focus on building and maintaining the landing page using HTML, CSS, bootstrap and vanilla JavaScript
- Collaborating with the other engineers in making technical decisions regarding the PHP Laravel backend.

InternPulse

Backend Engineer (Intern) – Remote - *October 2024 – December 2024*

- Worked on the backend APIs for [RenergyHub](#); an ecommerce web application that connects vendors and consumers of renewable energy products (microservice). I was part of the amazing team of about 15 backend engineers that worked on the APIs for this application, also worked closely with frontend engineers.
- Implemented RESTful CRUD APIs that handles product management; using cloudinary storage for products image uploads.
- Also worked as a team to implement seamless stateless authentication & authorization using JWT, implemented Google and Facebook OAuth using passport.js and wrote documentation for each endpoint for easy integration with the frontend.

PROJECTS

PregNANT (Desktop Application: Node.js & express, electron.js & SQLite)

Collaborated on a pregnancy expert system (desktop app) for a client. We implemented the following features:

- Register a new patient, diagnose a new patient through a diagnostics form, collect patient's ultrasound data, generate patient's pregnancy, fetal weight, fetal age, conception date, & delivery date reports based on the data provided.

Library Management System

- Backend APIs for a library management system with functionalities to add a new book, retrieve every book in the library collection, update details about a book including its availability status, delete a book from the library collection, implemented thorough error handling. Hosted the application on Vercel, utilized postman in writing brief documentation for each endpoint.

Product Management System

- Built RESTful APIs for a product management system that allows one to add new products, retrieve products, update products and delete products using product ID or name, implemented unit tests to ensure the proper working of each endpoints using Jest and Supertest and **w**rote thorough documentation of each API endpoint using Swagger.

AwaBlog (A simple blog website: Node.js & express, MongoDB, HTML, CSS, Bootstrap & Vanilla JavaScript)

- Implemented a simple admin and user authentication using JWT and cookies. Once Admin or users are logged in, a JWT and sent to the client-side in a cookie for authorization.
- Users can only view blog posts once they are logged in, Admin can view blogs, create new blogs and delete blogs.

Weather Application (PHP, HTML, CSS & Bootstrap): A weather application with objected oriented programming in PHP.

SOFT SKILLS

- Communication
- Collaboration
- Problem-solving
- Teamwork

EDUCATION

B.Eng. Chemical Engineering   **Niger Delta University**
2021