NWANKWO **ERNEST ONYEBUCHI**

**Education**

**Federal University of Nigeria Nsukka(UNN)**

Bachelor of Science - BS, Computer Science **(Nov 2018 - Dec 2022)**

**Oko Polytechnic, Anambra State**

National Diploma, Computer Science **(Sep 2013 - Sep 2016)**

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**Location** **:** UYO, Nigeria,

**Github** **:** <https://github.com/amazinng-blib>

**Portfolio** **:** <https://portfolio-2u6f.vercel.app/>

**Years of Experience** **:** 5 + (years)

**Skills**

**Front-End Technologies**: HTML5, CSS3, JavaScript (ES6+), React, Redux, Next, TypeScript

**Back-End Technologies**: Node.js, Express.js, Nest.js

**Databases**: MongoDB, MySQL(using sequelize)

**Style Sheet**: CSS, Material UI, Tailwind CSS, Ant Design, SASS

**Cloud Services**: Cloudinary

**Version Control**: Git, GitHub

**Tools**: VS Code, Postman, Thunder Client

**State Management** : Legacy Redux, Redux toolkit, Context

**State Management** : Cypress, React Testing Library

**Professional Experience**

**Backend Developer** - Firepips School Management System Contract

Firepips is a school management system designed to streamline administrative tasks and enhance communication within educational institutions.

**Core Functionalities:**

Implemented video upload functionality to allow teachers to upload educational content

(This route also returns video duration).

Developed assignment upload feature, enabling students to submit assignments online.

Developed routes for creating courses. (Courses has sections, and each section can

Hold as many video as possible)

Developed route for updating courses.

Developed route for de-activating , activating and deleting student.

**Challenges and Problem solving**: - Implemented robust error handling and validation to ensure data integrity and security.

**Full Stack Engineer** -- Domino's

**Dec 2016 - Dec 2017 (1 year 1 month)**

Developed route optimization service for distribution logistics that automates route planning and achieves 20% of fuel savings.

Planned and estimated project features, designed and implemented route optimization algorithm, fast and memory-effective geographical data manipulation, frontend, Restful API.

Developed business rule engine. Introduced and enforced common code conventions and best practices.

Proposed using Spring, Hibernate, continuous integration. Performed code reviews.

Mentored junior developers. Developed document management system.

**Front End Lead Engineer** -- First City Monument Bank Limited

**Oct 2017 - Dec 2019 (2 years 3 months)**

**Contributions:**

I had extensive interaction with the product managers on requirement gathering and estimation on Sprint planning and user stories tracked in JIRA.

Took lead to guide the team on implementing the frontend technologies collaborated with typescript.

I implemented the designed solution from scratch using Next.js Library framework which includes setting up environment.

I created around 50+ screen mock-ups which went successfully as first part of POC in the project demo.

I worked alongside with backend developers working with OpenAI and also reporting to project managers on an urgent project which i and my team finished before the timeline.

I handled few projects as a single Frontend developer and helped in merging designs and applications.

**Frontend** – Ip Address Tracker

I ensured screen responsiveness by handling different screen sizes.

I strictly observed best practices during the project by using the right hooks at the right place.

I also prevented unnecessary re-render of component when a component gets mounted in browser, thereby preventing performance degradation, excessive network request which consumes large portion of bandwidth and browser’s resources.