**ERNEST NWANKWO**

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PROFILE SUMMARY

Fullstack MERN Developer with 3+ years of experience in designing and implementing robust and scalable web solutions. Demonstrate strong proficiency in web development technologies such as JavaScript, React, Exprees.js, Node.js, and database management. Adept at collaborating with cross-functional teams in remote environments, ensuring effective communication and successful project delivery.

**Key Achievements:**

* Improved application performance and maintainability through optimized development practices.
* Enhanced admin user experience with intuitive and feature-rich interfaces.
* Increased test coverage and reliability through well-documented and automated testing.

**WORK EXPERIENCE**

**Fullstack Developer (Remote)**

**BlockQueue Systems Limited 01/24 – till date**

* Designed and developed multiple key features for the platform, including:

**Teams Page:** Enabled admins to manage team members, including viewing, promoting, and removing members.

**Categories Page:** Listed all available categories for better content organization.

**Newsletters Page:** Displayed all subscribed newsletters with streamlined management options.

**Settings Page:** Provided functionalities for account setup, including custom domain configuration and adding exposable locations.

* Built these features using **Next.js** with **server actions** for efficient server-side functionality.
* Leveraged **Drizzle ORM** to interact with a robust and scalable database (Turso DB) architecture.
* Wrote comprehensive **end-to-end tests using Playwright**, ensuring high reliability and performance.
* Implemented a **professional folder structure** and optimized development workflows, improving maintainability and collaboration among team members.
* Continuously collaborated with cross-functional teams to ensure seamless integration of features and alignment with project goals.

**Backend Developer (Remote)**

**Firepips 10/23 – 12/23**

* Spearheaded the development of the entire backend infrastructure for a Forex Learning Management System (LMS) with Node.js, Express.js, and MongoDB revolutionizing content management and ensuring secure user interactions.
* Implemented a seamless video uploading feature utilizing Cloudinary, streamlining the process for administrators to effortlessly upload teaching materials and enrich the learning experience.
* Designed and integrated a robust assignment feature within the LMS, simplifying assignment creation, distribution, and access for both administrators and users.
* Developed a dynamic blog posting feature and implemented a comment API, providing a valuable platform for administrators to share insights and foster user engagement.
* Engineered a payment details module, empowering administrators to efficiently track financial transactions related to courses, enhancing financial oversight and accountability.
* Created API endpoints for the automated assignment of user plans upon successful payment verification, optimizing the user onboarding process.
* Integrated the Paystack Webhook API to ensure a secure and reliable payment verification process, which enhanced the overall financial integrity of the system.
* Handled email integration using NodeMailer and Gmail that ensured reliable communication channels within the system.

**Frontend Developer (Remote)**

**KIKO 06/22 – 09/22**

* Redesigned and implemented user-friendly authentication screens to enhance login and registration process, ensuring a seamless and secure user experience for various devices and screen sizes.
* Collaborated with cross-functional teams to optimize the landing page using Next.js, improving load times and responsiveness.
* Ensured cross-browser compatibility for auth screens and the landing page, addressing potential issues and discrepancies to provide a uniform experience for users accessing the platform from different web browsers.
* Conducted detailed codebase review and refactoring, leading to a more robust and scalable frontend architecture.
* Incorporated user feedback into the design and functionality of auth screens and landing, enhancing overall satisfaction and usability.
* Worked closely with UX/UI designers and backend engineers to address challenges and streamline the integration of Next.js, Redux toolkit, and Material UI.
* Created documentation for auth screens and landing page components, facilitating knowledge transfer within the team.
* Contributed to the project's overall success by collaborating remotely with a distributed team, effectively managing tasks, and maintaining open communication channels.

**Frontend Developer (Remote)**

**Loyster 02/20 – 09/20**

* Utilized React JS to create a dynamic and visually appealing home page for financial technology app, implementing modern design principles and improving overall responsiveness.
* Played a pivotal role in refining the user interface by implementing CSS best practices, contributing to a visually appealing and cohesive design across the application.
* Designed an intuitive and user-friendly interface for transfer screen to optimize the user flow, resulting in increased user engagement and satisfaction.
* Implemented robust authentication mechanisms for a fintech app using React JS to ensure a seamless login and registration process, improving user security and experience.
* Migrated the app's state management to Legacy Redux, optimizing data flow and improving overall application performance.
* Participated in code reviews to provide constructive feedback and adhere to coding standards, contributing to a robust and maintainable codebase.
* Contributed to the documentation of frontend components and features, facilitating knowledge sharing and onboarding of new team members.

**KEY SKILLS**

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

**Back-End Technologies:** Node.js, Express.js, Postgres, SQL

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

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

**API Development & Integration:** RESTful API, Webhook API

**Databases:** MongoDB, Postgres

**Cloud Services:** Cloudinary

**Version Control:** Git, GitHub

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

**Test**: Playwright

EDUCATION

**Metallurgical Training Institute Onitsha 01/2019 – 12/2021**

National Diploma, Electrical Engineering (I&C)

CERTIFICATION/TRAINING

**Responsive Web Design Certification |** freeCodeCamp

**JavaScript Algorithms and Data Structure |** freeCodeCamp