NICHOLAS EMMANUEL

Front-End Engineer. Lagos, Nigeria

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Summary

Highly motivated Software Engineer with 3+ years of experience building innovative web applications. Proven ability to design and implement accessible, user-friendly interfaces and leverage trending technologies to create scalable solutions. As a passionate introvert, I love building things with code.

Education

University of the People   September 2023 - to date
Bachelor of Science in Computer Science   *California, USA*

Dean's Honors List: Spring 2024 (Top 15%) - **CGPA: 3.75**

Microverse   May 2022 - Dec. 2022
Full-Stack Web Development • Certificate   *Remote Bootcamp*

Relevant Coursework

- Data Structures
- Database Management
- Software Methodology
- Artificial Intelligence
- Computer Architecture
- Human-Computer Interaction
- SEO Optimization

Experience

Atop Web Technologies   Mar 2023 — June 2024
Software Engineer Intern   *Stockholm, Sweden (Remote)*

- Enhanced application efficiency by **35%** by designing over **30 React** components, utilizing Redux for state management and Firebase for backend services. This contributed to the successful onboarding of **43 active** studio owners during the initial launch phase of scorebox.
- Achieved close to **70%** reduction in execution time and significantly improved operational efficiency by integrating **server-side** workflows using Firebase Cloud Functions, seamlessly incorporating REST APIs.
- Drove a significant decrease in development cycle time by collaborating with a team of **2 developers** and a team lead, ensuring seamless operation and continuous improvement of the Scorebox application.

Taaleem   June 2022 — Sep 2023
Frontend Engineer   *Casablanca, Morocco (Remote)*

- Boosted educational participation through designing and implementing a comprehensive educational system using **Next.js** and **Nest.js**, seamlessly integrating an intuitive UI and accessible design.
- Enhanced transparency and streamlined the learning process by developing a customized admin panel, to ease time spent on administrative tasks.
- Contributed to a transparent and error-free learning experience by utilizing **auto-grading** tools to automate quizzes and assessments, providing students with real-time feedback.

Xoommit   Nov 2021 — April 2022
Frontend Developer Intern   *Cruzeiro do Sul, Brazil (Remote)*

- Drove online traffic by implementing and enhancing the company's official website, establishing a vital online presence using **SeoClarity SEO**.
- Significantly improved the company's search engine rankings using SeoClarity SEO techniques, resulting in the deployment of an extensive suite of SEO analysis tools and a **Generative AI assistant**.
- Worked with cross-departmental collaboration with **Backend team**, **DevOps team**, and **project manager** to innovate and develop new ideas, initiatives, products, and services. Leveraged **NextJs**, **GraphQL**, and **WordPress** to drive successful implementation.

Projects

Buggo | *Next.js, Redux, Express.js, MongoDB, TypeScript*   **May 2023**
- Developed a real-time bug-tracking application that centralizes issue creation, collaboration, and management and implemented advanced filtering and search functionalities to reduce bug resolution time by **20%.**
- Implemented robust user authentication using **Express.js** and **MongoDB**, ensuring project/ticket authorization.
- Empowered data-driven decisions by providing project/ticket statistics, enabling faster workflow optimization and an innovative chat solution to provide a comprehensive coverage and insights across disciplines.

Fresh-Diamond Exchange | *Next, SanityCMS, Redux*   **Oct 2023**
- Built a gift card platform replicating Binance's core functionalities and a Redux-powered data statistics.
- Implemented secure user login and **OTP** authentication using Sanity CMS for a seamless trading experience and order confidentiality.
- Engineered a dynamic and effective use of **SQL** queries establishing using Redux to enable real-time updates and a smooth payment.

Snap Market | *Next.js, Drizzle ORM, Typescript, Postgresql, Zustand*   **June 2024**
- Built an e-commerce platform with core functionalities using cutting edge technologies and an AI-powered search and secure payment integrations
- Implemented a robust backend using **Drizzles ORM** with **NEON** and **Postgresql** to ensure fast data persistence and scalability.
- Integrated secure Google and Github authentication for a frictionless user experience and enhanced data security.

Technical Skills

- **Languages:** JavaScript, TypeScript, Python, Java, Go, HTML/CSS, SQL
- **Developer Tools:** VS Code, IntelliJ, Postman, Google Analytics, Google Search Console, Git, Algolia Search, Vercel
- **Technologies/Frameworks:** GitHub, React.js, Next.js, Firebase, Express.js, PostgreSQL, MongoDB, RtkQuery, HTMX, Docker, Kafka, Redux, Zustand, Drizzle ORM.