

NICHOLAS EMMANUEL C

Software Engineer

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EDUCATION

University of the People
BS Computer Science,

Sep 2023 – Dec 2026
Colorado Blvd Suite, Pasadena, USA

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

WORK EXPERIENCE

Atop Web Technologies
Software Engineer Intern

Mar 2023 – June 2024
Stockholm, Sweden (Remote)

- Designed and implemented **30+ React components**, utilizing **Redux** for state management and **Firestore** for backend services. This strategic approach enhanced maintenance efficiency by **35%** and reusability by **52%**, successfully onboarding **43 active studio owners** during the initial launch phase.
- Implemented **10+** serverless workflows using **Firestore Cloud Functions**, seamlessly integrating **REST APIs** and conducting rigorous testing, which led to a **70%** reduction in execution time and improved operational efficiency.
- Developed a microservice logic engine using **Node.js** and **Express.js**, implemented a **CI/CD** pipeline, and containerized the application with **Docker**. Successfully deployed the solution, optimizing cloud resource allocation to enhance scalability and reliability.
- Collaborated closely with a team of **2 developers and a team lead** to ensure the seamless operation and continuous improvement of Scorebox, facilitating a significant decrease in development cycle time.

Taaleem
Frontend Engineer

June 2022 – Sep 2023
Casablanca, Morocco (Remote)

- Designed and implemented a comprehensive educational system using **Next.js** and **Nest.js**, seamlessly integrated into the company's website, resulting in a **20%** increase in educational participation due to its intuitive and accessible design.
- Built a customized admin panel to manage and monitor student activities effectively, enhancing transparency and **streamlining** the learning process, leading to a **60%** reduction in time spent on administrative tasks.
- Utilized auto-grading tools to automate **quizzes** and **assessments**, providing students with real-time feedback and contributing to a transparent and error-free learning experience.

Xoommit
Frontend Developer Intern

Nov 2021 – June 2022
Cruzeiro do Sul, Brazil (Remote)

- Implemented and enhanced the company's official website, establishing a vital online presence and driving a **surge of over 20%**.
- Improved the company's search engine rankings by using **SeoClarity** Search Engine Optimization (**SEO**) techniques, resulting to **Extensive suite** of SEO analysis tools and **Generative AI assistant**
- Worked with more than **3 departments** across the company, including **marketers**, **DevOps team** and **project manager**, in developing new ideas, initiatives, products, and services leveraging **NextJs**, **Graphql** and **wordpress**.

PROJECTS

Fresh Diamond Exchange | *Website* | *Source Code*

Next.js | **Sanity CMS** | **MongoDB**

- Engineered a comprehensive data statistics using **Sanity CMS**, followed by a dynamic manipulation and presentation of data through a **next.js** application.
- Implemented a real time data manipulation within a **Postgres** database through the effective use of **SQL** queries establishing a seamless with user friendly **Next.js** interface.

Scorebox Event App | *Website* | *Source Code*

React.js | **Firebase** | **express.js**

- Developed an intuitive **React.js** application tailored to international event management system for organizers and studio owners to create events.
- Crafted a metrics for judges, emcees and stage managers to seamlessly give scores based on performance by the dancers.

Bug Tracking App | *Website* | *Source Code*

Next.js | **Typescript** | **Pusher** | **Node.js** | **express.js**

- Developed an intuitive **Next.js** application tailored for a collaborative learning environment, seamlessly connecting the back-end to facilitate tracking bug using the **Node API** and **pusher**.
- Engineered an innovative chat solution on the app leveraging **Node.js**, **express.js** and **pusher** to provide a comprehensive coverage and insights across various development disciplines, and **Next.js** with **Typescript** for amazing UI.

TECHNICAL SKILLS

Languages: Javascript, Python, HTML, SQL, CSS, Go, Typescript, NoSQL

Tools and Methods: Postman, Git, Developer tools, Unit Testing

Libraries/Frameworks: React.JS, Next.JS, RtkQuery, HTMX, Nodejs, Express.js, PostgreSQL, Firebase, MongoDB, Docker, Kafka, Redux, TailwindCss

Soft Skills: Creativity, Leadership, Teamwork, Communication, Collaboration, Problem Solving, Time Management.