Daniel Brai

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EDUCATION

University of Ibadan   Oyo, Nigeria
Bachelor of Science in Computer Science   *March 2025*

EXPERIENCE

Software Developer   Jan 2022 – June 2022
Imisi 3D   *Lagos, Nigeria*

- Developed a Virtual Reality Experience along using Unity and C# that enables new employees to be on-boarded onto a company's workflow
- Built interactive 3D environments and objects that enables collaborative experiences for Virtual Reality using tools like React.js, Three.js, React Fiber, Web-Sockets and WebGL
- Presented talks on the future of Extended Reality (XR) to various stakeholders and enthusiast, effectively communicating technical concepts in XR

Back End Developer   June 2023 – April 2024
Afrimart Trade   *Lagos, Nigeria*

- Designed and implemented a scalable RESTful API using Nest.js and PostgreSQL for a Traffic regulation and vehicle violation system that can be integrated into different organizations
- Collaborated with developers and designers to ensure seamless integration of the API with the user interface as well as system modelling with C4 model
- Optimized database queries to reduce response times by at least 4% based on the product searched, improving user experience and platform performance

Back End Developer   October 2023 – January 2025
Cartolinks Solutions Limited   *Lagos, Nigeria*

- Implemented CPU intensive tasks with file transformation and processing, audio and video transformations through the use of FastAPI, AWS and OpenAI API for Generative features in one of our products
- Collaborated alongside teammates in the development of a Music API Platform that integrates various music vendors like Spotify, YouTube Music and so on using Next.js, Nest.js, PostgreSQL, Docker, and AWS
- Collaborated on various microservices written in golang and typescript for concerns such as reporting, predictions and so on

Software Engineer   August 2024 – Present
TribaPay   *Lagos, Nigeria*

- Designed and implemented a scalable RESTful API using Node.js (Express) with Typescript and PostgreSQL for internal tooling at TribaPay such as the Business Engine Platform and on
- Implemented the visual interface for the Tribapay Analytics Platform using React.js alongside the consumption of various business APIs.

PROJECTS

Jetei | https://github.com/Daniel-Brai/Jetei

- Developed an real-time knowledge base web application that enables real-time collaboration through operational transformation and websockets using Nest.js, HTMX, PostgreSQL.
- Built an efficient information search functionality for knowledge retrieval and personalized information organization for user needs.
- Created a robust data storage and management system using PostgreSQL and Cloudinary.

TECHNICAL SKILLS

Languages: Typescript/JavaScript, Elixir, Golang, Ruby, Rust, SQL (PostgreSQL), Python, HTML/CSS
Frameworks: Node.js, Express.js, Fastify, Rails, Nest.js, Astro.js, Phoenix, FastAPI, HTMX
Developer Tools: Docker, Azure, Amazon Web Services (AWS), Bash, Linux, Neovim, Tmux