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 – Present
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 – Present
Cartolinks Solutions Limited   *Lagos, Nigeria*

- Implemented heavy CPU tasks like multi-line file processing and transformations through the use of FastAPI, AWS SQS, ECR, and Lambda for one of our client product
- 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
- Developed and implemented an automated deployment and testing script using GitHub Actions and Bash, reducing deployment time by 30% and increasing test coverage by 20%, resulting in a 15% decrease in bug reports

PROJECTS

Sentinel | github.com/scouter-dev/sentinel

- Developed a Log Aggregation and Analysis tool with Astro.js and Supabase for real time insights to the health of small to medium scale applications on the web
- Implemented a robust, easy to use authentication system with email and password, and social providers like GitHub
- Used an in-memory Redis for saving and caching for application data before writing to the PostgreSQL(Supabase) database after an hour interval thereby reducing application response time

Ainx | githhub.com/yhwbach/Ainx

- Developed an Application Supervisor that enables multiple applications to be managed together in a low resource environments using Elixir.
- Implemented continuous delivery using GitHub Actions to build Ainx upon new a release

TECHNICAL SKILLS

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