Oluwasefunmi Akomolafe
Software Engineer

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🎓 EDUCATION

University of Ilorin, BSc. Computer Science   Nov 2018 – Oct 2023
- Graduated with **First Class Honors** from the Faculty of **Communication and Information Sciences**, achieving a **CGPA of 4.56**.
- Excelled in coursework covering software engineering, data structures, algorithms, and system design.

💼 WORK EXPERIENCE

Lighthaus Eko Limited, Fullstack Developer   Jan 2024 – Oct 2024

- Development of Vizitly, a visitor management system that reduced check-in times by up to 60% through QR fast check-ins and automated recurring visitor handling.
- Optimized admin interfaces and employee-side PWAs, improving system performance by 45% and reducing load times by 30% with real-time updates and efficient state management.

Jade Media Pro, Frontend Engineer   Jan 2023 – Dec 2023
- Orchestrated the web presence for **JadeMedia**, a multimedia business, using React, Next.js, and Tailwind, collaborating with a team of 2 other developers.
- Assisted in structuring the project and maintaining development workflows, leveraging Next.js for faster performance and SEO benefits.

TechMadeEazy Enterprise, Software Engineer   Jul 2022 – Sep 2022
- Developed a **Next.js** based **ERP system** for Regency, an insurance company, streamlining internal operations and automating key workflows.
- Engineered modular and scalable features, improving claims processing, policy management, and customer tracking, which enhanced productivity by **87%** through seamless integration with existing company processes.

Panoramic Synergy Enterprise, Intern   Jan 2022 – Jul 2022
- Spent 6 months gaining practical and standard experience in design, web development, and industry-standardization practices, enhancing foundational skills for software engineering.

📂 OTHER PROJECTS

Retend, An efficient JSX framework for web apps.   Jan 2025 – present
- Vite-based JSX framework with support for static-site generation, hot module reloading and client-side routing. Implements fine-grained reactivity, reducing the overhead of the virtual DOM to 0.

Vizitly, a modern visitor management system.   Mar 2024 – Oct 2024
- Spearheaded, along with 3 developers, the development of Vizitly, an enterprise-grade SaaS product, leveraging Vue, Typescript, and SCSS, to revolutionize guest and employee access management for establishments.

Enjoy Your Day, a localfirst PWA for daily goals.   Dec 2024 – present
- Highly performant, offline-based progressive web app (PWA) for managing daily goals, with support for notifications, theming and customization. Constructed with Typescript, CSS Modules and Dexie.js.

Whirlwind, A WASM programming language.   Sep 2023 – present
- Designed and implemented a compiler and IDE extension for *Whirlwind*, an object-oriented programming language with a sophisticated static type system. Leveraged Rust's capabilities to build a robust compiler that compiles to Web Assembly (WASM).

Quizwiz, An interactive web based quiz game.   Jul 2023 – Aug 2023
- A full-fledged trivia web app created with React and Typescript, complete with 6 diverse question categories, rapid fire quiz matches and ranking leaderboards.

Studybud, An AI-based lecture test generator.   Jun 2023 – Sep 2023
- Svelte app for scanning documents and generating sets of 20 multi-choice questions based on their content using a large language model (LLM).

💻 TECHNICAL STRENGTHS

Main Languages
- **Languages:** TypeScript, Rust
- **Frontend:** React/Next.js, Vue/Nuxt 3
- **Styling:** Tailwind CSS, SCSS
- **Backend:** Express (Node.js), Rocket (Rust), Firebase
- **Infrastructure:** Cloudflare (hosting, security)