

EMMANUEL MICAIAH AFRIYIE

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SKILLS

Programming Languages: JavaScript (ES6+) | Java | Shell Scripting | Python | HTML & CSS | PHP | SQL

Frameworks & Libraries: Reactjs | Threejs | Angularjs | REST | Flutter | Vuejs

Platforms & Tools : Nodejs | Vite | Vercel | Render | Flutterflow | Wix | WordPress | Webflow

WORK EXPERIENCE

Gentle Touch Home Health Care

Web Designer (Contract)

Remote - Chicago, IL.

June 2024

- I created a sleek, mobile-friendly website with a blog and an easy-to-use content management system (CMS) as per client request. It's boosted engagement and put the platform front and center online, now topping Google's Chicago search results for "Gentle Touch Home Health Care."

Christ Embassy Chicago South

Web Designer (Contract)

Remote - Chicago, IL.

April 2024

- Revamped the existing website based on the client's specifications, adding a CMS feature and integrating easy access to the Stripe payment gateway to enable church members to give or contribute online through the website

Nigerian High Commission, India

Frontend Developer

Remote - New Delhi, India.

August 2021 - March 2022

- I revamped the existing landing page, using PHP, JavaScript, and Sass/SCSS to make it sharp and user-friendly. On top of that, I streamlined the passport application process by swapping out old-school paper forms for a slick online system tied to an external database. This move boosted efficiency by 60%, making things way smoother for both applicants and the embassy.

PROJECTS

Paron

A Web Presentation Tool

February 2025

- I built a modular presentation tool using React 19 and modern JavaScript (ES6+), with smooth navigation between dashboard, editor, and presentation views powered by React Router 7. The application supports rich text editing, custom slide templates, and multimedia content, thanks to styled-components, Material UI, and react-contenteditable
- To support team collaboration, I implemented centralized state management using the React Context API, added smooth transitions with Framer Motion, and integrated drag-and-drop functionality using React Beautiful DnD. These features made it easy for teams to create, edit, and present slide decks together—complete with real-time updates, version control, and a dedicated presenter mode.

Christ Embassy Chicago

Church Management System

November 2024 - January 2025

- I built a user-friendly Church Management web app with Vue.js, making it easier for Christ embassy Chicago churches to handle their operations. It includes secure login, member tracking, and event planning features.
- Using Vue.js, Tailwind CSS, and SASS, I crafted a clean, modular interface that works smoothly on both phones and computers, keeping the design consistent and intuitive.
- I added a strong security system with different access levels (like super_admin and members), email verification, and password reset options to protect sensitive church information.
- Developed API services to simulate backend functionality for user management, church registration, and event scheduling, facilitating efficient testing and smooth future integration with other backend systems.

RESEARCH EXPERIENCES

Ongoing

AI-Powered Ecosystem Management as a Service (EMaaS)

Present

- This research focuses on leveraging AI to integrate reforestation, restoration, preservation, natural medicine, cultivation, and wellness into a single, scalable ecosystem management solution.

Published

Assessing The Effectiveness of CNNs, Decision Tree, and Voting Classifier for Plant Identification: A Comparative Study

August 2023

- Explored fine-tuning impacts, highlighting adaptability challenges and optimization strategies. Published and presented the paper at a peer-reviewed conference.

EDUCATION

Illinois Institute of Technology

Master of Science, Information Technology and Management

January 2026

Lovely Professional university

Bachelor of Science, Information Technology

October 2021