

Joseph Abraham Dangana

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Portfolio: <https://abrahamlicoln.github.io/portfolio>

SKILLS

BACK END DEVELOPMENT | PHP • Laravel • ASP.NET Core • Node.js

• VB.NET • Arduino

FRONT END DEVELOPMENT | HTML5 • CSS3 • JavaScript • Bootstrap

• TailwindCSS • JQuery • React JS

VERSION CONTROL & COLLABORATION | Git • GitHub

DATABASES | MySQL • MongoDB • SQLite • Supabase

APIs & WEB SERVICES | RESTful

EXPERIENCE

CATAI Tracka Project Management Tool | PHP, Laravel, Bootstrap, MySQL

Full Stack Developer | May 2024 – August 2024

- Manual processes and lack of customization in existing project management tools led to inefficiencies in task management and team coordination.
- Developing a scalable, maintainable, and user-friendly application tailored to specific organizational needs.
- Create a customized project management tool that automated workflows and improved team collaboration.

Global Service Guppa | Laravel, MySQL, RESTful, Postman

Backend Developer | June 2024 – July 2024

- The existing system lacked a standardized interface for seamless communication between the front-end and back-end, leading to inefficiencies and difficulties in data management.
- Designing and implementing a RESTful API that ensures secure, efficient, and scalable data exchange between the front-end and back-end systems.
- Collaborated with the back-end team to develop a RESTful API using PHP and Laravel, enabling standardized data communication and improving system efficiency.

SIWES Management System for Nasarawa State University, Keffi | PHP,

Laravel, Bootstrap, MySQL

Full Stack Developer | June 2023 – November 2023

- Manual processes in existing SIWES management systems led to inefficiencies in student industrial work experience tracking and reporting.

EDUCATION

NASARAWA STATE UNIVERSITY, KEFFI.

B.Sc Computer Science

September 2024

CGPA : 4.63/5

HONOURS & AWARDS

CHEVRON SCHOLARSHIP | for excellent student across Nigeria University.

August 2022.

ACADEMIC EXCELLENCE | for best graduating student in the department and the entire faculty.
November 2024.

INTERESTS

Travelling • Fitness • Coding
• Self-empowerment

- Developing a scalable, maintainable, and user-friendly system tailored to the specific needs of Nasarawa State University, Keffi.
- Designed and implemented a comprehensive SIWES Management System using PHP, Laravel, Bootstrap, jQuery, and MySQL, automating workflows and improving data management.

[AI-Powered Plant Identification System for Nigerian Flora](#), React.JS, AI, Machine Learning

Full Stack Developer | November 2024

- The absence of a centralized, AI-driven platform for identifying Nigerian plants, both indigenous and foreign, along with their traditional names and uses, hindered access to valuable ethnobotanical knowledge.
- Developing an AI system capable of accurately identifying a wide range of plant species, processing traditional names, and providing information on their uses, all within a user-friendly interface.
- Designed and implemented an AI-powered plant identification system utilizing Convolutional Neural Networks (CNNs) for image recognition and Natural Language Processing (NLP) for understanding traditional names and uses. The system was developed using PHP, Laravel, Bootstrap, jQuery, and MySQL, enabling users to upload plant images and receive detailed information on the plant's identity, traditional names, and uses.

[Smart Home Light Automation System](#) React.JS, AI, Arduino, Javascript

Full Stack Developer | November 2024

- Manual control of home lighting systems led to energy inefficiencies and lacked the convenience of automated operation.
- Developing a scalable, user-friendly, and energy-efficient smart lighting system compatible with existing home infrastructure.
- Designed and implemented a smart home light automation system using IoT devices and home automation protocols, enabling remote and automated control of lighting, resulting in improved energy efficiency and user convenience.

[Content Skills Academy](#) HTML, CSS, Tailwind CSS, JavaScript

Contract | February 2024

- The institution needed a comprehensive Learning Management System to centralize educational content delivery, student management, and administrative operations.
- Developed a robust LMS with role-based access control for administrators, staff, and students, featuring tailored dashboards and functionality for each user type.
- Implemented secure authentication, content management tools, assessment systems, and analytics dashboards to streamline educational processes.
- The system resulted in a 50% reduction in administrative workload and a 30% increase in student engagement with learning materials.

Smart Home Light Automation System React.JS, AI, Arduino, Javascript

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Tax Justice Nigeria HTML,CSS3,JavaScript Tailwind CSS, Alpine.js

Contract | March 2025

- Manual tracking and management of tax advocacy efforts led to inefficiencies and made it difficult to coordinate initiatives across civil society organizations.
- Developing a comprehensive, user-friendly web platform to streamline tax advocacy efforts for the Civil Society Legislative Advocacy Centre.
- Designed and implemented the Tax Justice web application, enabling efficient tracking, coordination, and management of tax advocacy campaigns, resulting in improved collaboration, data-driven decision making, and greater policy impact.

GNEXT Technologies React JS, TypeScript, Vite

Contract | April 2025

- GNext Technologies needed a professional online presence to showcase their IT services and increase market visibility.
- Developing a clean, modern, and responsive landing page that effectively communicates the company's expertise and value proposition to potential clients.
- Designed and implemented a high-impact landing page for GNext Technologies that highlights their IT service portfolio, company values, and client success stories, resulting in improved brand recognition, increased qualified leads, and a stronger digital footprint in the competitive IT marketplace.

VOTECAM React JS, TypeScript, Vite, Node JS ,RestFul, MongoDB

Contract | April 2025

- Manual processes for finding voter registration points and accessing electoral information created barriers to youth political participation in Cameroon.
- Developing robust, scalable backend systems and APIs to power the VoteCam mobile application, supporting features like voter registration guides, geolocation services, and real-time electoral information.
- Designed and implemented the backend architecture and RESTful APIs for VoteCam, enabling seamless data flow between the mobile application and database, integration with mapping services, and secure user authentication, resulting in a reliable platform that increases accessibility to electoral processes for Cameroonian youth ahead of the 2025 presidential elections.

Justice AI | React.js, Convex Database, Convex BaaS, OCR, Voice AI

Full Stack Developer | 2025

- Law enforcement agencies faced inefficiencies in case management and investigation processes, with manual documentation and fragmented suspect interrogation strategies hindering case resolution.
- Developing an AI-powered case management system that automates statement digitization through OCR, provides intelligent suspect questioning guidance, and enables voice-based constitutional information access for citizens.
- Designed and implemented Justice AI using React.js and Convex Database, creating a platform that analyzes suspect statements via OCR and recommends optimal interrogation sequences to guide officers throughout investigations. The system includes a voice-enabled interface allowing citizens to query constitutional consequences and receive voice responses, democratizing access to legal knowledge.

Fashroom App | Next.js, PostgreSQL, AI, Machine Learning

Full Stack Developer | 2025

- Users lacked an accessible way to visualize how clothing items would look on them before purchase, leading to poor online shopping experiences and high return rates.
- Developing an AI-powered virtual try-on platform that enables users to see how clothing looks on them and generate fashion designer-style outfit combinations from material photos.
- Designed and implemented Fashroom using Next.js and PostgreSQL, leveraging AI and computer vision to allow users to upload or capture photos of clothing items and virtually try them on. The system also generates outfit recommendations and styling options from fabric images, enhancing the fashion design and shopping experience.

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