

JOHN AYODELE



CONTACT

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LANGUAGES

French – Intermediate

English – Native

Yoruba – Fluent

CERTIFICATIONS

PHP Framework certificate: Laravel, Codeigniter.

Strong Programming Languages: PHP, Python, JavaScript, HTML5, JAVA (OOP), CSS, MongoDB, MySQL, Arduino.

ABOUT

A passionate Web and Software Developer with a strong focus on backend engineering. I specialize in PHP, Java, Python, API development, firmware design, and full-stack web development. I have hands-on experience with Laravel, WordPress, Django, Next.js, CodeIgniter, and various frontend technologies.

SUMMARY OF EXPERIENCE

- Over 6 years of experience in backend development, API integration, and firmware engineering.

Web Development

- Strong understanding of APIs and data exchange formats including REST, RPC, JSON, SOAP, and XML.
- Created a payment system using External API integration.
- Developed a **Social network** with features like posting, viewing, following/unfollowing, profile editing, and notifications.
- Built an improved **UI dashboard** for WooCommerce plugins and themes.
- Developed a responsive **IoT dashboard** with real-time status monitoring to control firmwares over the internet.
- Designed a **hospital management website** for [Hospinox.com](https://hospinox.com) with Admin dashboard login access for their workers.
- Designed and developed the backend systems for [Billro.com](https://billro.com) and [Hilltoppay.co](https://hilltoppay.co), integrating APIs for seamless mobile app communication.
- Worked remotely to create backend for [Travsify website](https://travsify.com) and [TravsifyB2B.com](https://travsifyb2b.com) where users can book Flights, Hotels and Visas.
- I worked with a **Team of 4 members** to design [Triplyte Travel Agency Software](https://triplyte.com) (A platform to sell, resell flight and hotels using APIs).

Firmware Engineering

- Great knowledge in **Arduino, Raspberry pi, NodeMcu** and other **Microcontrollers, IoT** projects.

- Developed automatic solar tracker, AFIT Competition Spree 2.0 Winner – Presented a student biometric attendance system, fuel quality tester, PIC programmer kit, Robotic cars, Home automations.
- Created an **Android app** in Android Studio to communicate wirelessly to firmwares via bluetooth, Wi-Fi, and Internet.
- Developed GPS-based car tracking system with Google Maps integration, an IoT-based anti-burglary system, IoT based weather station, RFID based security access system.
- Worked with an engineer at **Upwork Inc.** to generate power using the Seebeck effect from temperature differences.

DevOps

- Creation of a webserver on **Google cloud platform**, **AWS** virtual machine using python(linux).
- Knowledge in creating servers with **Docker** to deploy and manage web applications.
- Created, managed and maintained a **Trip planner bot** for Triplyte Travel Agency Groups.
- Also Designed **Kidgital bot** that gives parent advice on how to handle a specific child-related situation on **trained data**, **keywords** and **Q&A** knowledge base using [Huggingface.co](#), [Google Gemini API](#) and [Open AI GPT-04](#) Model.

Core Competencies

- ✓ **Programming Languages:** JAVA, Arduino, PHP, MYSQL, Javascript, Python, HTML, CSS, C++, C#, Next.JS, MongoDB.
- ✓ **Software/Tools:** Arduino, Postman, PyCharm, IntelliJ Idea, VS Code, Processing (JAVA), Android Studio, Notepad++, XAMPP Localhost, Command Prompt.
- ✓ **Skills:** Programming, Debugging, Hardcoding, Designing, Modelling, Soldering, Testing, Monitoring.

Professional Work Experience

- ✓ **Firmware Engineer** - 09/2018 – 11/2019
[Jasayo Energy](#), Ibadan.
- ✓ **Full-stack Developer** - 09/2019 – 02/2023
[Travsify Global Inc.](#), San Francisco CA 94107.
 - Full-stack Developer at Travsify Global Inc., a company known for providing top-tier travel services like flight booking and resale, hotel booking and resale, visas, tours, etc.
- ✓ **Software Developer (Freelancer)** - 03/2023 – Till date
Freelancing across platforms.

Education

- ✓ Bachelor of Engineering in **Aerospace Engineering** – Final year student at **Air Force Institute of Technology**, Kaduna. Graduation till 2026.
- ✓ Intellectual Skills: **Electronics, IoTs, Automations** – 2016 - 2018
- ✓ **Multisonic Academy**, Ibadan.