

# JOHN AYODELE

Software Developer | Web Consultant |  
PHP Dev. | API Integration Expert.

## 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), MongoDB, MySQL, Arduino.

## HIGHLIGHTS

- Built B2B travel system for 5+ agencies.
- Integrated 20+ APIs (payment, booking, etc.).
- Ensured 99.9% client uptime.

## 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).
- Developed [SpetaAcademy.com](https://spetaacademy.com), a custom LMS platform.

### Firmware Engineering

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

- **AFIT Competition Spree 2.0 Winner** – Presented a student biometric attendance system. Engineered multiple embedded projects: solar tracker, fuel quality tester, PIC programmer kit, and robotic vehicles.
- 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, and smart home systems.
- Worked with an engineer at **Upwork Inc.** to generate power using the Seebeck effect from temperature differences.

### DevOps

- Deployed web servers on GCP and AWS using Python on Linux environments which reduced server response time by 30%.
- 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 **Kidigital bot** that provides parenting 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

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- ✓ **Programming Languages:** JAVA, Arduino, PHP, MYSQL, Javascript, Python, HTML, CSS, C++, C#, Next.JS, MongoDB, Laravel, CodeIgniter, MATLAB.
- ✓ **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

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- ✓ **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

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- ✓ 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](#).