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**](http://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**](file:///C:\Users\USER\Downloads\upwork.com\services\product\development-it-flights-hotels-tours-transfers-boats-visa-cruises-booking-software-1787430687055702679%3fref=project_share)(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.

AYODELE

JOHN

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

CONTACT

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**Portfolio:**

**<https://johnayodele.dev/>**

**Twitter:**

[**https://x.com/ayodelejohn05/**](https://x.com/ayodelejohn05/)

**LinkedIn:**

[**https://www.linkedin.com/in/ayodelejohn05/**](https://www.linkedin.com/in/ayodelejohn05/)

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.
* **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 **Kidgital 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](https://huggingface.co/),** [**Google Gemini API**](https://ai.google.dev/) and **[Open AI GPT-o4](https://platform.openai.com/docs/overview)** 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

* **Firmware Engineer** - 09/2018 – 11/2019

[**Jasayo Energy**](https://jasayoenergy.com.ng/), Ibadan.

* **Full-stack Developer** - 09/2019 – 02/2023

[**Travsify Global Inc**](https://travsifyb2b.com/)**.**, 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**](https://afit.edu.ng/home/). Graduation till 2026.

* Intellectual Skills: **Electronics, IoTs, Automations** – 2016 - 2018

[**Multisonic Academy, Ibadan**](https://g.co/kgs/g2WKwYk).