

# JOHN AYODELE



## CONTACT

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## LANGUAGES

French – C2

English – A1

Yoruba – A2

## 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

- Having 6+ years of diversified experience in Backend Development, API Integration and Firmware Designing.

### Web Development

- Good understanding of APIs, REST, RPC, JSON, SOAP, XML data.
- Created a payment system using External API integration.
- Developed a **Social network** with user ability to Post, View post, Follow, Unfollow, Profile edit, Notifications, Settings etc.
- Created an **Ecommerce dashboard** for Wordpress Woocommerce plugins and themes for better user interface experience.
- Developed an **IoT dashboard** with good UI to control or display the status of firmwares over the internet.
- Designed a **Hospital Management website** for [Hospinox.com](https://hospinox.com) with Admin dashboard login access for their workers.
- Designed the backend of [Billro.com](https://billro.com) and [Hilltoppay.co](https://hilltoppay.co) **Payment Solution Website** and integrated API to communicate with their Mobile Apps.
- **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 an student biometric attendance system, fuel quality tester, PIC programmer kit, Robotic cars, Home automations.
- Created an **andriod app** in andriod studio to communicate wirelessly to firmwares via bluetooth, Wi-Fi, and Internet.
- Developed **GPS** based car traking system with google maps Integration, IoT based anti-bulgrary system, IoT based weather station, **RFID** based security access system.
- Worked with an engineer at **Upwork Inc.** to generate power using a **seebeck effect** of temperature difference.

### 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, mannage and maintain a **Trip planner bot** for Triplyte Travel Agency Groups.
- Also Designed **Kidgital bot** that ives parent advice on how to handle some certain child's situation based 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.
- ✓ **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 Engineering** - 09/2018 – 11/2019  
[Jasayo Energy](#), Ibadan.
- ✓ **Full-stack Developer** - 09/2019 – 02/2023  
[Travsify Global Inc.](#), San Francisco CA 94107.
  - Full-stack developer @ Travsify Global Inc. one of the company with best travel services like Flight booking and resell, Hotel booking and resell, Visas, Tour etc.
- ✓ **Software Developer (Freelancer)** - 03/2023 – Till date  
Freelancing across platforms.

## Education

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- ✓ **Bachelor of Engineering: 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.