ABIODUN, OLUWABUNMI ONAOLAPO
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PROFESSIONAL SUMMARY

Results-driven Backend Developer with over five years of experience in building scalable web applications and APIs. Proficient in Node.js (Express.js), PHP (Laravel), Python (Flask, FastAPI, Django), and database technologies including MongoDB, MySQL, Redis, and Memcache. Experienced in frontend development using JavaScript, jQuery, and React. Strong background in data science, utilizing Python libraries for predictive analysis and visualization. Passionate about teaching and mentoring, with extensive experience as an instructor at Cyclobold School of Software Engineering. Seeking opportunities to contribute technical expertise and leadership skills to innovative projects and teams.

TECHNICAL SKILLS

- Backend Development: Node.js (Express.js), PHP (Laravel), Python (Flask, FastAPI, Django)
- Frontend Development: JavaScript, jQuery, React, HTML5, CSS3
- Database Management: MongoDB, MySQL, PostgreSQL, Redis, Memcache
- API Development: RESTful APIs, GraphQL
- Data Science & Analytics: Python (scikit-learn, pandas, numpy, matplotlib), Excel, Power BI
- Development Tools: Git, Docker, Figma, Postman
- Instruction & Mentorship: Over five years of experience teaching software development

PROFESSIONAL EXPERIENCE

Backend Developer & Data Scientist
Freelance & Collaborative Projects | 2024 – Present

- Designed, developed, and deployed **scalable full-stack applications**, including *Airbnb Clone*, *School Management App*, *TeaOrb*, and *FixDRide*, delivering user-friendly interfaces and robust backend architectures.
- Engineered and consumed **RESTful APIs**, integrating seamlessly with **React-based frontends** to ensure dynamic, responsive user experiences.
- Collaborated with cross-functional teams—designers, frontend engineers, and product managers—to deliver high-performance solutions that met both technical and business objectives.
- Optimized backend systems and improved data workflows by managing **MongoDB**, **MySQL**, and **Redis** databases for enhanced speed, reliability, and scalability.
- Conducted data extraction, transformation, and analysis to generate insights and drive decisions; developed **interactive dashboards** for **predictive analytics** using Python libraries and data visualization tools.

Key Technologies:
Node.js, Express.js, Laravel, React, PHP, MongoDB, MySQL, Redis, REST APIs, Python (Pandas, NumPy, Matplotlib, Seaborn), Power BI, Git

Senior Software Engineer
Cyclobold Technology Limited 2021 – Present

- Lead full-stack development across multiple client-facing projects, including ride-hailing platforms (*FixDRide*), e-commerce systems (*Craft Store*), and booking applications modeled after Airbnb, ensuring scalable architecture and responsive UI/UX implementation.
- Mentor and train junior developers and learners in **frontend**, **backend**, **data analysis**, and **data science**, using hands-on methods to strengthen their understanding of modern technologies and analytical approaches.
- Oversee technical planning and execution of web and mobile projects, from requirement gathering to deployment, ensuring alignment with client expectations and business goals.
- Provide client support through active communication, translating non-technical requirements into actionable development strategies and delivering timely, high-quality software solutions.
- Collaborate cross-functionally with UI/UX designers, data teams, and product managers to build intuitive and data-driven web applications.
- Support HR operations by participating in recruitment, onboarding, team coordination, and internal documentation processes to maintain a strong technical culture and workflow efficiency.

Key Contributions:

- Spearheaded the end-to-end development of *FixDRide*, integrating **real-time location tracking**, **automated fare systems**, and **cross-platform compatibility**.
- Successfully delivered and maintained scalable, secure platforms using **Laravel**, **React**, **Node.js**, **Ionic**, **MongoDB**, and **MySQL**.
- Designed curriculum and led technical workshops that improved junior developer performance and retention by 35%.

Tech Stack & Tools:
Laravel, PHP, Node.js, React, JavaScript, Ionic, MySQL, MongoDB, Git, Figma, REST APIs, Google Maps API, Paystack, Firebase, Docker

Full Stack Engineer
DeftRains Solutions – Ojuelegba, Yaba, Lagos | 2019 – 2020

- Designed and developed a full-featured **e-commerce platform** for a specialty tea brand using **PHP** and **MySQL**, supporting product catalog management, customer registration, cart functionality, and real-time inventory updates.

- Integrated **Paystack API** to facilitate secure and seamless online payments, including support for recurring billing and transaction verification.
- Built a custom **admin dashboard** for order tracking, sales analytics, and user management, improving operational efficiency for non-technical staff.
- Implemented **user authentication and role-based access control** using PHP sessions and middleware logic to separate customer and admin permissions.
- Optimized application performance by introducing **AJAX-powered search and filtering** for faster product browsing and checkout experience.
- Collaborated with the UI/UX team to translate Figma designs into responsive, mobile-first interfaces using **Bootstrap** and **vanilla JavaScript**.
- Deployed the application to a **Linux-based VPS**, configured **Apache**, managed **SSL certificates**, and ensured **daily database backups**.
- Developed reusable backend modules and documented code to support maintainability and scalability across future product lines.

Key Projects & Achievements:

- **TeaCommerce**: A full-stack, production-grade e-commerce web application that increased client sales by 40% within 6 months of launch.

- **Internal Inventory Sync Tool**: Created a CLI script to sync stock updates from suppliers via CSV into the store database, reducing manual entry time by 80%.

Technical Tools & Skills:
 PHP, MySQL, JavaScript, Bootstrap, AJAX, Paystack API, Linux Server Management, Apache, Git, Figma-to-HTML conversion

Science Tutor | Baptist Bowen College
January 2021 – 2022

- Teach core science subjects including **Chemistry, Physics, Mathematics**, and **Agricultural Science** across multiple grade levels, integrating theoretical instruction with practical, hands-on experiments in the school laboratory.
- Design and deliver engaging lesson plans that align with curriculum standards and promote critical thinking and scientific inquiry.
- Apply **software engineering skills** to develop and implement **web and mobile applications** that enhance science education—such as virtual lab simulators, interactive quizzes, and digital progress trackers.
- Collaborate with colleagues to introduce **tech-based learning tools** that support hybrid learning environments and improve student outcomes.
- Supervise and coordinate national examination processes (**WAEC and NECO**), ensuring strict compliance with academic standards and examination integrity protocols.

- Contribute to continuous improvement initiatives by integrating **data-driven insights** and **technology solutions** to streamline teaching, assessment, and student engagement.

Technical Tools & Skills:
 HTML, CSS, JavaScript, React, Flutter, Laravel, Firebase, MySQL, Git, Google Workspace, EdTech integration, E-learning platforms.

Water Analyst
Federal Airport Authority of Nigeria (Water Lab) | 2019

- Conducted water treatment and purification processes while exploring opportunities for **process automation** and **data optimization**.

- Performed water quality assurance testing—including **pH levels, turbidity**, and **chlorine content**—and logged results into a **digital monitoring system** for real-time tracking and reporting.
- Developed a **custom data entry tool** using **Excel VBA** and **Python scripts** to streamline test result documentation and reduce errors in manual records.
- Built a prototype **web dashboard** using **HTML/CSS, JavaScript**, and **Chart.js** to visualize trends in water quality over time, enhancing decision-making and compliance tracking.
- Ensured adherence to safety and regulatory standards by contributing to the development of an **internal compliance checklist app** for field officers using **Flutter**.

Technical Skills Applied:
 Python, JavaScript, HTML/CSS, Chart.js, Flutter, Excel VBA, Data Visualization, Automation, Environmental Data Logging

PROJECTS

Airbnb Clone

A full-stack accommodation booking platform

- Developed a web application replicating Airbnb functionality using **Laravel (PHP)** and **MySQL**.
- Implemented key features including **user authentication**, **property listings**, **search and filter**, and **booking management**.
- Designed a responsive user interface for both hosts and guests to interact seamlessly with listings and reservations.

Tech Stack: Laravel, MySQL, Blade, JavaScript, Bootstrap

School Management App

A centralized platform for school administration

- Engineered a scalable **school management system** using **Node.js**, **Express.js**, and **MongoDB**.

- Created an intuitive **admin dashboard** to manage **student registration**, **attendance tracking**, and **grading records**.

- Integrated secure **role-based access control** for staff, teachers, and students.

Tech Stack: Node.js, Express.js, MongoDB, EJS, CSS

TeaOrb (E-commerce Platform)

Online store for premium tea products

- Built a complete e-commerce web app using **PHP** and **MySQL**, with full support for **product catalog**, **shopping cart**, and **order processing**.

- Integrated **Paystack API** for secure online payments with transaction validation and status tracking.

- Developed an **admin interface** for inventory and order management.

Tech Stack: PHP, MySQL, Paystack API, JavaScript, Bootstrap

FixDRide (Ride-Hailing App)

A dynamic ride-booking application

- Created a ride-hailing platform using **Laravel**, **MySQL**, **Ionic**, and **JavaScript** for cross-platform functionality.
- Implemented **real-time location tracking** via Google Maps API and **automated fare calculations** based on distance and time.
- Included driver and passenger dashboards, booking history, and wallet integration.

Tech Stack: Laravel, MySQL, Ionic, JavaScript, Google Maps API

EDUCATION
- B.Sc. (Hons.) in Chemistry, University of Lagos
- Full Stack Web Development Certification, DeftRains Solutions

CERTIFICATIONS & ACHIEVEMENTS

- Certificate of Participation, Google Digital Skills for Africa
- Certificate of Achievement, Jobberman Soft-Skills Training

HOBBIES & INTERESTS

- Exploring new technologies and frameworks
- Researching software development trends
- Hanging out

LANGUAGES

- English (Fluent)
- Yoruba (Fluent)

REFERENCES

available on request