

RICHEY OKOH-MICHAEL

[LinkedIn](#) | +234 80 259 70 609 | <https://backondev.com/portfolio> | okohmichaelr@gmail.com | [Github](#)

Skills

Languages: Python (FastAPI, PyTest), **PHP** (Laravel), **JavaScript** (Node.js, React, VueJS, NextJs).

Data & Databases: Postgres, MySQL, MongoDB.

DevOps & Tools: GCP, Docker, CI/CD Pipelines, Git, Unit Testing.

Architecture: Microservices, API Design, RESTful Services.

Experience

Software Engineer

Nigerian Security Printing & Minting Plc

2021 - 2025

- Led backend architecture and implementation of multiple cross-functional internal systems used across departments in a regulated national environment.
- Reduced project delivery time by 43% by implementing Agile methodologies and leading a team through iterative technical reviews.
- Engineered scalable APIs and background workers to orchestrate complex data processing workflows.
- Containerized backend services using Docker, improving deployment consistency and reducing environment-related production issues.
- Directed comprehensive code reviews, technical reviews, API design reviews, load/stress testing, unit/integration/e2e testing.

Software Engineer , Part-Time

BloodBankNg

2023 - 2024

- Developed a full-stack tracking system for medical resources using ReactJS, Node.js, and MongoDB.
- Streamlined user experience by integrating two secure payment gateways for medical resource procurement.
- Built a data-driven admin dashboard monitoring 11+ KPIs to facilitate stakeholder decision-making.
- Conducted performance testing using JMeter to identify optimization areas and simulate user scenarios.

IT Support, Intern

Bureau of Public Enterprise

2020- 2021

- Maintained 99% system availability through proactive monitoring and resolution of 120+ technical hardware/software tickets.

Key Projects

Reinforcing Document Privacy in Nigeria | DocEng'25

- Co-authored a peer-reviewed publication addressing privacy engineering challenges in national digital identity systems.
- Proposed architectural improvements for secure data harmonization and privacy-focused system design.
- Publication available via ACM Digital Library.

Medical System

- Engineered an internal healthcare management platform for employee medical operations.
- Automated workflows for medical leave requests, pharmacy visits, and medication tracking.
- Designed secure modules for managing sensitive medical records with strict access control.
- Ensured data integrity and auditability within compliance-sensitive processes.

RentHub

- Architected a multi-tenant real-estate marketplace that facilitates property and land rentals through a multi-tenant corporate structure.
- Developed a "Company-Agent" hierarchy allowing firms to manage multiple sub-profiles for listing and managing property information.
- Implemented a booking engine with scheduling logic and transactional consistency.
- Designed relational database schema optimized for property search and booking workflows.
- Built an interactive scheduling engine that enables prospective tenants to book physical viewings and communicate directly with property managers.

Certifications

Google IT Professional Certificate 2020

Responsive Web Design 2022

JavaScript Data Structures & Algorithms 2022

IBM Data Engineering Professional Certificate 2025

Education

Bsc. Bed Computer Science University of Ilorin, Kwara 2015 - 2019

National Youth Service Corps 2019 - 2020