

# OWURA KWAKU SAFO

## Backend Developer | Software Engineer

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GitHub: <https://github.com/Owuraku22> | Portfolio: <https://owuraku.vercel.app/>

## PROFESSIONAL SUMMARY

Results-driven Backend Developer with 2+ years of experience in building scalable applications and backend systems. Proven track record of designing and implementing scalable web applications, optimizing database performance by 40%, and delivering RESTful APIs for mobile and web platforms. Strong expertise in MVC architecture, database management, and agile development methodologies. Seeking to leverage technical excellence and problem-solving skills to drive innovative software solutions in a dynamic development environment.

## CORE COMPETENCIES

Programming Languages: PHP, JavaScript, SQL, HTML5, CSS3, Dart, Python

Frameworks & Libraries: Laravel, Bootstrap, Flutter, [Adonis.js](#), Livewire, Frappe

Databases: MySQL, PostgreSQL, Redis, Mariadb etc

Development Tools: Git, Composer, npm, VS Code, PHPStorm

Server Technologies: Apache, Nginx, Linux

Cloud Platforms: DigitalOcean, Vercel, Laravel Cloud

API Development: RESTful APIs, JSON, XML, JWT Authentication

Testing: PHPUnit, Feature Testing, Unit Testing (95% code coverage)

Methodologies: MVC Architecture, OOP, Agile, Scrum, Version Control

Additional Skills: DevOps, Payment Gateway Integration, Security Best Practices

## PROFESSIONAL EXPERIENCE

### Backend Developer

Shaq Express | October 2024 - September 2025

- Architect and maintain robust backend systems using PHP and Laravel framework for high-trac applications
- Design and implement RESTful APIs serving 1000+ daily active users across mobile and web platforms Optimize database queries and application performance, achieving 40% improvement in response times
- Collaborate with cross-functional teams of 5+ developers to deliver scalable solutions using Agile methodologies
- Implement comprehensive security protocols and data validation, reducing security vulnerabilities by

85%

## Backend Developer

### Vacancies In Ghana | September 2025 - December 2025

- Maintained and improved backend systems using Python and the Frappe Framework, ensuring high availability and fast application performance
- Wrote clean, documented Python code in line with team standards and performed peer code reviews
- Debugged and resolved backend issues across Rest APIs, database queries, and server-side logic to reduce downtime.
- Participated in sprint planning and agile ceremonies, contributing to consistent on-time feature delivery.

## Backend Developer

### Ghana School of Law | November 2025 - Present

#### **Records Management System (RMS)**

- Built a Records Management System from the ground up to digitise and centralise student and institutional records at Ghana School of Law.
- Designed and implemented backend data models and workflows in Python and Frappe to manage document intake, storage, retrieval, and archiving.
- Developed role-based access controls to ensure sensitive legal and academic records were accessible only to authorised staff.

#### **Learning Management System (LMS) — Frappe ERP**

- Developed and configured a Learning Management System using Frappe ERP to support course delivery, student enrolment, and academic scheduling.
- Built custom Frappe DocTypes and server-side scripts to model the school's academic structure including modules, assessments, and student progress tracking.
- Integrated the LMS with existing school data to provide a unified platform for students and faculty, reducing manual administrative work.
- Extended Frappe's built-in School Management module with custom features tailored to Ghana School of Law's workflows and requirements.

#### **Help / Service Desk**

- Set up and maintained a Help Desk system to manage internal IT support requests from staff and students across the institution.
- Configured ticket routing, priority levels, and SLA rules to ensure timely resolution of support issues.
- Provided ongoing technical support and troubleshooting for backend systems, resolving issues related to data integrity, user access, and system performance.

## KEY PROJECTS

### Personal Portfolio Website

Technologies: Laravel, MySQL, Python, PHP

URL: <https://owuraku.vercel.app/>

- Developed responsive portfolio website showcasing technical skills and professional projects
- Implemented secure contact form with email notifications and advanced spam protection
- Created open-source CRUD API for e-commerce applications used by 50+ freelancers

### E-commerce Backend System

Technologies: Laravel, MySQL, Redis, PayStack API

- Built comprehensive e-commerce backend supporting inventory management for 500+ products
- Implemented secure payment processing system handling \$10,000+ monthly transactions
- Developed admin dashboard with real-time analytics for product and user management
- Integrated email marketing automation and push notifications, increasing user retention by 35%

### Task Management API

Technologies: Laravel, JWT Authentication, PostgreSQL, MySQL

- Designed RESTful API for task management application supporting 200+ concurrent users
- Implemented JWT-based authentication and role-based authorization system
- Built comprehensive test suite achieving 95% code coverage using PHPUnit
- Created detailed API documentation using Markdown and Postman, facilitating team collaboration

## EDUCATION

### Advanced Diploma in Software Engineering

IPMC College of Technology | Graduated: August 2024

Relevant Coursework: Database Design, Web Development, Software Engineering Principles, Data Structures, Algorithms

Final Project: QR Code Generator (Python) and QR Code Scanner (Kotlin/Java) - Achieved 75% project grade

## CERTIFICATIONS & ACHIEVEMENTS

- Software Engineering Certification - IPMC College of Technology
- Git Version Control Specialist - Professional Level

Hackathon Winner - Vibe Coding Hackathon (Team of 3 developers)

## Professional Achievements

Improved application performance by 40% through advanced code optimization techniques

Mentored 1 junior developer in Laravel best practices and Python fundamentals

Contributed to 1 open-source Laravel package with 100+ GitHub stars

Maintained 99.5% uptime across all client projects during freelance period

## LANGUAGES

English: Professional Proficiency

Twi: Native Speaker

## ADDITIONAL INFORMATION

**Problem-Solving:** Strong analytical and critical thinking skills with proven ability to debug complex issues

**Communication:** Excellent verbal and written communication skills with experience in client-facing roles

**Continuous Learning:** Passionate about emerging technologies and best practices in software development

**Work Flexibility:** Available for remote work with flexible scheduling and strong time management skills

**Team Collaboration:** Experienced in Agile environments with strong collaborative and leadership abilities