

KWABENA OWUSU SOADWA

Software Engineer | Full-Stack Web Developer | IT Support

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PROFESSIONAL SUMMARY

Full-stack software engineer with a B.Sc. in Computer Science and hands-on experience building and deploying web applications with Python, Flask, JavaScript, SQL, and Node.js. Background spans IT support, database administration, and end-to-end application development, including a live e-commerce platform with integrated payment processing. Microsoft AI certified, with a track record of shipping working software independently and collaborating across technical support and development functions. Actively expanding expertise in modern frameworks, API integration, and cloud deployment.

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML5, CSS3, SQL

Frameworks & Libraries: Flask, Node.js, REST APIs

Databases: MySQL, SQLite

Developer Tools: Git, GitHub, VS Code, Postman, JSON

Practices & Other: Responsive Web Design, API Integration, Payment Gateway Integration (Paystack), AI Fundamentals, Prompt Engineering, Technical Support

Office and IT: Microsoft Word, Excel, PowerPoint, Outlook, Windows OS, Hardware and Software Troubleshooting, Network Support.

SOFTWARE PROJECTS

AI-Powered Crop Disease Detection Web Application | Personal Project

Technologies: Python • Flask • HTML5 • CSS3

- Developed a Flask-based web application that enables farmers to identify crop diseases through an intuitive image-upload interface, improving access to early disease detection.
- Designed and implemented both front-end and back-end functionality using Python, HTML, and CSS, following software engineering best practices for maintainability.
- Structured the codebase for extensibility, enabling future integration of machine learning models for automated disease classification.

Full-Stack E-Commerce Web Application | Client Project – E-Millinial Store

Technologies: HTML5 • CSS3 • JavaScript • Paystack API

- Built a responsive online shopping platform supporting product browsing, cart management, and secure checkout via Paystack payment integration.
- Optimized front-end performance and layout using responsive design techniques, improving usability across mobile and desktop breakpoints.
- Implemented interactive JavaScript components (cart updates, dynamic filtering) to enhance user experience and reduce page reloads.

PROFESSIONAL EXPERIENCE

IT Officer | National Entrepreneurship and Innovation Programme

Oct 2024 – Aug 2025

- Resolved hundreds of hardware, software, and network support requests with minimal escalation.
- Installed, configured, and maintained computer systems and business applications, ensuring consistent uptime for day-to-day operations.
- Assisted in developing and testing internal software solutions, contributing to functional requirements and bug identification.
- Maintained IT assets and organizational databases, supporting accurate record-keeping across departments.

IT Officer | *Bie Print Media Solutions & Business Consult*

Oct 2021 – Aug 2022

- Managed and maintained the company website, ensuring content accuracy and consistent uptime.
- Developed and maintained organizational databases to support business operations and reporting.
- Designed digital marketing materials and resolved hardware/software issues, improving day-to-day operational efficiency.

VOLUNTEER EXPERIENCE

IT & Social Media Lead | *Sebaid Foundation*

Nov 2024 – Present

- Developed and maintain the organization's website, ensuring reliability and up-to-date content.
- Manage digital campaigns and create promotional graphics, growing engagement across social platforms by 60%.
- Monitor analytics to identify engagement trends and inform content strategy.

EDUCATION

Bachelor of Science (B.Sc.) in Computer Science | *Kwame Nkrumah University of Science and Technology* 2020 – 2024

CERTIFICATIONS

- Google AI Professional — Google
- Microsoft AI Skillfest — Microsoft
- JavaScript Certification — Udemy
- CSS Certification — Udemy