

WILBERT BOADZO ELEKPLIM YAO

SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Software Engineer with 3+ years of experience designing, building, testing, and deploying production web applications and digital platforms. Experienced across healthcare, fintech/Web3, and workflow automation, with a strong focus on reliable backend services, REST APIs, cloud deployment, and responsive frontend systems. Proven impact includes contributing to an Electronic Health Records (EHR) platform associated with a 40% increase in subscription revenue. Comfortable taking products from requirements and architecture through implementation, testing, deployment, and iteration.

PROFESSIONAL EXPERIENCE

Full-Stack Developer

Geia Technologies

- Spearheaded full-stack development of a scalable Electronic Health Records (EHR) platform used to digitize clinical administration for hospitals in Togo, contributing to a 40% increase in subscription revenue.
- Built responsive React interfaces with Redux for complex clinical workflows and patient-facing operations.
- Designed and integrated secure RESTful APIs supporting patient management, scheduling, and clinical workflows across multiple hospital clients.
- Deployed and maintained backend services on AWS EC2 and implemented GitHub Actions CI/CD pipelines to improve deployment reliability and release consistency.

Software Engineer / Web Developer

Jouw Digitale Thuis

- Delivered production web solutions for NGOs, charities, and businesses, with emphasis on performance, accessibility, responsive UX, and maintainability.
- Implemented custom WordPress themes, blocks, integrations, and content workflows where a CMS was the appropriate product requirement.
- Optimized production sites using modern asset delivery, image optimization, lazy loading, and clean frontend implementation.

Full-Stack Developer Intern

TeamAlfy Web Services

- Built an AI-powered booking platform integrating the Bland AI Voice API, Make.com automation, and Google Calendar scheduling workflows.
- Contributed to production web applications, deployment workflows, performance improvements, and post-launch reliability.
- Worked across frontend and backend tasks while collaborating with clients and cross-functional team members.

EDUCATION

BSc, Information Technology

University of Ghana — Accra

Second Class Lower Division | Coursework: Database Fundamentals, Data Structures & Algorithms, Software Engineering

Software Engineering Certificate Program (Cohort 11)

ALX Africa

12-month intensive full-stack engineering program covering JavaScript, Python, SQL, HTML/CSS, REST APIs, Git/GitHub, Linux, and collaborative software development

SELECTED PROJECTS

GEIA EHR Platform

Healthcare Platform | Togo | Aug 2024 – Feb 2026

Full-stack engineering for an Electronic Health Records application that helps hospitals move from paper records and fragmented spreadsheets to a centralized clinical system. Contributed to patient management, scheduling, clinical workflows, REST APIs, React/Redux frontend development, AWS deployment, and CI/CD. Project outcome: 40% increase in subscription revenue.

SikaDesk

Fintech / Web3 Infrastructure

Payment and settlement platform focused on cross-border transactions, stablecoin OTC trading, and commodities settlement. Built as a production-oriented financial workflow with KYC, order/quote flows, platform-managed settlement, audit trails, reporting, and support for USDT and USDC.

Care On Board

Healthcare / Care Operations | United States | 2025

Full-stack onboarding application for a care recruiting agency, replacing manual caregiver document collection with a structured, trackable digital workflow. The broader CareOnboard platform connects staffing, scheduling, documentation, billing, compliance, and care coordination.

PetOS

Veterinary Platform | United States | 2026

Frontend engineering for a modern web presence for PetOS, a platform focused on streamlining veterinary practice management and pet-care workflows. Delivered a live production site.

TECHNICAL SKILLS

Languages

TypeScript, JavaScript, PHP, Python, Java

Frontend

React, Next.js, Nuxt.js, Redux

Cloud & DevOps

AWS (EC2), Docker, GitHub Actions (CI/CD), Linux

CMS / Commerce

WordPress, Gutenberg/FSE, Shopify, WooCommerce

Backend

Node.js, Express, Spring Boot, Firebase, REST APIs

Databases

MySQL, PostgreSQL, MongoDB

Testing & QA

Jest, JUnit, Playwright

SELECTED WORDPRESS WORK

Wonderful Joy

E-commerce — WordPress / WooCommerce

Production storefront with Elementor and WooCommerce integration.

Support Safe Spaces

Nonprofit — WordPress

Performance-focused website for a Kenya-based charity focused on community safety.

LEADERSHIP EXPERIENCE

Africa Youth Future Forward Summit (AYFFS) 2025 — Marketing & Editorial Lead

Directed a multicultural team of 10 volunteers and managed campaigns, stakeholder communications, and editorial execution for a continental youth leadership and entrepreneurship summit.

Executive Principles Forum — Founder & Community Lead

Founded and lead a professional community of 400+ aspiring African founders and professionals, organizing recurring mentorship sessions with international business leaders and industry experts.

CERTIFICATIONS

EXIN Agile Scrum | ALX Software Engineering

Portfolio: wilbertboardzo.tech