SAMUEL DANQUAH ANKAPONG

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PROFESSIONAL SUMMARY

Full Stack Developer with 6+ years of experience designing and deploying web applications, IoT systems, and AI-powered automation tools. Translates complex business requirements into practical, reliable products, combining hands-on development with technical leadership from concept through deployment.

EDUCATION

University of Ghana — Accra, Ghana
BSc. Biomedical Engineering — Oct 2021 – Sept 2025

CORE SKILLS

Languages: Python, JavaScript, C++, SQL (MySQL & PostgreSQL)
Web Technologies: React, Next.js, Node.js, FastAPI, Flask, Express.js, Streamlit
Developer Tools: Git, VS Code, Postman, Figma, AWS, Render, Docker
AI & Data: Prompt engineering, AI workflow automation, feature selection, model evaluation, XGBoost

RELEVANT EXPERIENCE

Systems & Development Lead, **Future GH** — Feb 2025 – Present
- Lead technical development of digital solutions for African SMEs and entrepreneurs, translating business requirements into web applications and business systems.
- Define application architecture and oversee implementation across websites, automation, and AI workflows.

Full Stack Developer, **SWIM (Student Workforce Innovation Movement)** — Oct 2024 – Aug 2026
- Built and maintained the platform's frontend and backend, including dashboards for students and companies.
- Developed an AI matching engine to connect students with relevant opportunities and integrated a chatbot.

Web Developer, **African Intelligence** — Sept 2024 – Feb 2025
- Designed and built landing pages and supporting digital assets for marketing campaigns.
- Collaborated with product teams to translate brand and user-experience requirements into landing-page designs.

IoT Intern, **Techten Planet GH** — Feb 2024 – Apr 2024
- Built a React Native mobile app for controlling a Raspberry Pi 4 smart home system, allowing users to operate a fan, lights, and a water pump.
- Tested app commands against device responses to verify control of the connected appliances.

SELECTED PROJECTS

Skulbii [LINK]
- Built an offline-first school management application for attendance, assessments, and fee records, with automatic syncing, role-based access, and audit logs.

Izyflow [LINK]
- Shipped a financial-management application that brings invoicing, expense tracking, and cash-flow reporting into one workspace. Integrated an AI assistant so users can enter records through text, voice, and document imports.

Fashley [LINK]
- Built a design application that generates outfit, bag, and shoe previews from fabric photos and style preferences. Added saved designs, downloads, and tailor briefs so users can keep concepts and share them for review.

SWIM Talent Hub [LINK]
- Built a platform connecting students with paid company projects, with dashboards for both user groups. Implemented AI matching to connect students with relevant opportunities and integrated a chatbot.

PEVAL [LINK]
- Built a responsive Next.js application that enables students to evaluate their peers through a web interface.

LANGUAGE

English