

MARTIN AZUMAH SACKEY

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PROFESSIONAL SUMMARY

Impact-driven developer with a background in cybersecurity and a passion for ethical, human-centered AI. Experienced in building interactive platforms that merge creativity with real-world utility, from AI-powered journaling (RAG Diary) to music discovery gamification (JamFind) and digital inclusion platforms (Impact Bridge). Skilled in React, Next.js, Tailwind, and AI integrations (OpenAI, ElevenLabs). Strong focus on user experience, emotional tech, and empowering underrepresented communities through innovation. Seeking a remote or hybrid role where I can contribute to meaningful, socially responsible tech projects.

EXPERIENCE

Full Stack Developer – JamFind

Jan 2024 - Present

Independent Project

Spearheaded the design and frontend development of JamFind using Next.js, React, and Tailwind CSS. Created a dynamic, gamified experience for playlist discovery and weekly chart rankings. Built features like tipping, voting, genre battles, and community engagement loops. Integrated Audius API and optimized user flow for underrepresented African artists. Applied full-stack development principles with Prisma ORM and Supabase backend.

Developer – FanPulse

Aug 2025 - Present

Independent Project

Designed and implemented FanPulse, a football sentiment analytics platform that transforms fan confidence into tradable data. Built real-time emotional analytics using a custom Fan Confidence Index (FCI), interactive charts, and team dashboards. Developed secure APIs using HMAC signing and Redis-based queueing with BullMQ for rate-limiting and fault tolerance. Created a gamified frontend with React and Tailwind, enabling fans to vote on match outcomes and track club momentum. Positioned FanPulse as a new approach to fan engagement, blending data science, emotion, and sport.

EDUCATION

Bsc Information Technology

2025

University of the potomac

GPA: 3.67

SKILLS

Programming & Tools

JAVASCRIPT

TYPESCRIPT

PYTHON

GIT

FIREBASE

Web Development

REACT

NEXT.JS

NODE.JS

PRISMA

VERCEL

NETLIFY

AI & Machine Learning

RAG

PERSONALIZED LLM AGENTS

AI RISK ASSESSMENT

EMBEDDING

VECTOR DATABASES

PROMPT ENGINEERING

PROJECTS

RAG Diary

[🔗 https://rag-diary-jb8w.vercel.app/](https://rag-diary-jb8w.vercel.app/)

AI-powered emotional journaling and voice-based self-reflection platform. It blends voice transcription, mood tracking, and memory recall through advanced AI APIs (OpenAI, ElevenLabs), helping users explore their inner narratives, reflect deeply, and map emotional growth. It's more than a diary; it's a journey companion for mental health, reflection, and healing.

Impact Bridge

[🔗 https://impact-bridge.netlify.app/](https://impact-bridge.netlify.app/)

A Ghana-rooted digital innovation platform that connects deprived communities with global supporters. It enables transparent fundraising, mentorship, and AI-guided project incubation, helping transform ideas (like poultry farms, boreholes, or women-led businesses) into reality. By creating new pathways to opportunity, it aims to lift people out of poverty, stimulate innovation, and empower local entrepreneurs, starting in Ghana, scaling across Africa.

JamFind

[🔗 https://jam-find.vercel.app/](https://jam-find.vercel.app/)

A dynamic music discovery platform where fans and creators upload, vote, and compete with playlists, creating a gamified space for music lovers to spotlight rising tracks and shape real-time charts. JamFind reimagines music discovery through community engagement, analytics, and weekly competitions, fostering visibility for underrepresented artists.

CERTIFICATIONS

RAG Strategy & Execution: Build Enterprise Knowledge Systems

Sep 2025

Udemy

Credential ID: UC-ab6ff50c-91d8-4d33-b40d-a9187099ec62

Securiti*Credential ID: 13F36D54A-13F376F96-132FF3D9F***Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate**Aug
2025**Oracle***Credential ID: OC6693521***AI Security & Governance**

Jul 2025

Securiti*Credential ID: 139311697-139311506-132FF3D9F***Introducing Generative AI with AWS**

Jul 2025

Udacity*Credential ID: www.udacif20200fc-625f-11f0-ado5-d7753c95e2c1.*