

Kwabena Darko Manu

279-782-3424 | kwabenamanu61@gmail.com | [Portfolio-Website](#) | [linkedin.com/in/kwabenamanu](#) | [github.com/Kwabena-Manu](#)

PROFESSIONAL SUMMARY

Full-stack developer with a Master's in Computer Science. I've worked both independently and in teams to deliver real-world projects that are reliable and well-documented. I'm collaborative, communicate clearly, and always aim to contribute ideas that move the team forward. Seeking full-time opportunities upon graduation.

EDUCATION

University of California, Davis
KNUST, Kumasi, Ghana

MS in Computer Science | GPA : 3.95
BS in Computer Science | GPA : 3.94

Sep 2024 – Jun 2026
Sep 2018 – Nov 2022

RELEVANT COURSEWORK

Object-Oriented Programming, Data Structures & Algorithms, Software Engineering, Web Development, Operating Systems, Distributed Systems, Database Management, Machine Learning.

AWARDS AND CERTIFICATIONS

CS50W Python & JavaScript Web Programming | HarvardX
RAIL Innovation Challenge Winner (Sign-Talk) | Rail, KNUST
Database Technology Professional | IPMC

Aug 2025
Sep 2022
Apr 2021

TECHNICAL SKILLS

Languages: C#, Python, C/C++, Java, JavaScript, Go, TypeScript

Web Development Tools: HTML, CSS, SASS, React.js, Node.js, ASP.NET Core, Django, jQuery, Bootstrap, Tailwind, Selenium

Database Technologies: Oracle Database, Microsoft SQL Server, PostgreSQL, MySQL, MongoDB, Redis, NoSQL

Tools: IIS, Git, GitHub, Docker, VMware, VirtualBox, Linux, VS Code, Visual Studio, Swagger, Postman, Microsoft Azure, AWS

AI/Machine Learning: PyTorch, TensorFlow, Scikit-learn, OpenCV, Pandas, NumPy, Yolo, Matplotlib

EXPERIENCE

Software Developer | OgaSendMe

Jan 2021 – Aug 2024

- Led the design and deployment of an **e-commerce web platform** using **React**, **ASP.NET Core**, **C#**, and **Microsoft SQL**, hosted on **AWS Cloud Services**.
- Built a **responsive, feature-rich UI** for customer-facing and admin operations, including **product search**, **inventory tracking**, and **transaction management**.
- Developed a **robust RESTful API** using **C#**, **ASP.NET Core**, **Dapper**, and **Swagger**, backed by an Microsoft SQL Server **relational database** with **stored procedures** for **high-performance data access**.

Software Developer Intern | PCES Doo

Oct 2021 – Dec 2021

- Contributed to **full-stack development** across the **SDLC** using **Git**, **Postman**, and **Docker** to support delivery of **fintech web services**.
- Developed **modern, responsive interfaces** for a **payment platform** using **HTML**, **CSS**, **Bootstrap**, and **Razor Pages**.
- Created well-documented **web APIs** with **C#**, **ASP.NET Core**, **Swagger UI**, and **Dapper**, improving backend efficiency and achieving a **10x speedup** in **PostgreSQL query performance**.

PROJECTS

CalAlder | JavaScript, React, HTML, CSS, Chrome Built-In AI API

Oct 2025

- Developed a Chrome extension using **React** and **Gemini Nano AI** to automatically extract event details, reducing user data entry time by **95%**.
- Engineered a multi-stage detection system that combines structured data parsing (JSON-LD) with **on-device AI** fallback to accurately identify events on any webpage.
- Built an interactive popup interface featuring inline calendar controls and availability checks, allowing users to manage events without switching tabs.

OSS Sustainability Simulator (ML-Based Web App) | Python, Django REST Framework, TensorFlow, Redis, NoSQL

Mar 2025

- Built a simulation platform to forecast open-source project sustainability using a pretrained ML model. Integrated **Django REST APIs** and **Redis caching** for fast, real-time interaction over a **NoSQL** backend

Video Foundation Models for Medical Diagnosis (Research) | Python, PyTorch, OpenCV

Jan 2024

- Designed a Python-based framework for exploring the zero/few-shot action detection capabilities of state-of-the-art video foundation models (e.g., TimesFormer, X-CLIP, InternVideo2) for medical diagnostic use, enabling automated video processing, time series generation for detected actions, and medical analysis.