

Kwabena Darko Manu

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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
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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	Aug 2025
RAIL Innovation Challenge Winner (Sign-Talk) Rail, KNUST	Sep 2022
Database Technology Professional IPMC	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	

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	
* 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	
* 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.	