

EMMANUEL ARMAH SAKYI

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Objective

Self-driven and passionate Fullstack Web Developer with hands-on experience building scalable, responsive web applications using React, Node.js, Express, and MongoDB. Eager to contribute to innovative teams while expanding skills in AWS and AI.

Tech Stack

Frontend: React, Tailwind CSS, JavaScript, HTML, CSS

Backend: Node.js, Express.js, MongoDB

Other Tools: Git, Redux Toolkit, Postman, Materialize CSS

Learning: AWS (Serverless), Machine Learning (Python, Pandas)

Projects

IoT Fish Farm Monitoring App

Built a web dashboard integrated with sensor data to monitor water quality in real time. Enabled farm operators to track conditions and make informed decisions through visualized statistics.

Contact Keeper App

Developed a fullstack MERN app for users to manage personal contacts. Included JWT authentication, protected routes, and CRUD operations with React Context API and Node.js backend.

Local Service Marketplace

A platform that connects customers with local service providers (plumbers, electricians, etc.). Features user role-based dashboards, authentication, and provider booking interface with MongoDB storage.

Experience

National Service Personnel - Web Developer

KNUST Institute of Distance Learning (Oct 2024 - Present)

- Implemented new frontend features and improved UX for e-learning portals
- Assisted with backend support and bug fixes

MIS Intern

Juaboso District Assembly (Sep - Dec 2023)

- Supported MIS system development and participated in system analysis

Education

BSc. Computer Science

KNUST, Kumasi | 2021 - 2024

Volunteer Work

Digital Literacy Volunteer | PeterHills Needy Foundation | 2021 – 2023

- Taught data and computer skills to underserved students around KNUST.

Languages

English - Fluent