

EMMANUEL ARMAH SAKYI

Ghana | +233 246 152 530 | sakyi5375@gmail.com | [LinkedIn](#) | [GitHub](#) | <https://earmahsakyi.site/>

Objective

Full Stack Developer with hands-on experience building scalable, responsive web applications using React, Node.js, Express, and MongoDB. Proven ability to design and optimize web architectures while collaborating with cross-functional teams. Experienced in enhancing UX and ensuring performance, with a commitment to continuous skill advancement in evolving technologies like AWS.

Education

KNUST, Kumasi

BSc., Computer Science

2021 - 2024

Experience

KNUST Institute of Distance Learning

National Service Personnel - Web Developer

Oct 2024 - Present

- Developed and implemented new frontend features using React and Tailwind CSS to enhance e-learning portal user experience while ensuring performance and scalability.
- Supported backend development and resolved bugs through effective troubleshooting with Node.js and Express.js, ensuring robust integration with front-end components.

Juaboso District Assembly

MIS Intern

Sep 2023 - Dec 2023

- Assisted in the development and maintenance of MIS systems, contributing to the design and analysis of system requirements.
- Collaborated with cross-functional teams to support system enhancements and maintain data integrity using established software development practices.

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.

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)

Volunteer Work

PeterHills Needy Foundation

Digital Literacy Volunteer

2021 - 2023

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

Languages

- English (Fluent)