

STEPHEN KORANKYE

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Skills

- Node | Express | React | React Native | Next | Electron | jQuery | FastAPI | MySQL | PostgreSQL | NoSQL
- Git | Cloud Computing | Redis | C++ | C | JavaScript | TypeScript | Java | Python | Full-Stack

Professional Experience

Software Engineer

Amfex Network

Sunyani, Ghana 10/2021 - 05/2023

- Spearheaded the end-to-end design and development of a cutting-edge system for the Ghana Immigration Service, prioritizing security and speed to manage thousands of immigration and security-related cases per month efficiently. Revolutionizing operations, the system replaced manual processes with paperless efficiency and increased productivity.
- Developed a real-time communication system for employees using MongoDB, Node.js with TypeScript, and React.js. The system enabled the easy exchange of messages, files, and feedback, resulting in over 1000 messages sent and a significant increase in productivity.
- Implemented a user-centric re-design of the Amfex Network website, empowering administrators with enhanced data and entry management capabilities. The revamped website features an intuitive dashboard, providing administrators with a comprehensive hub to seamlessly oversee their tasks and responsibilities.
- Designed and developed robust applications for diverse clients, leveraging modern technologies such as Node.js, FastAPI, TypeScript, React, React Native, and Electron. Resulted in a 50% increase in the company's annual revenue.

Software Engineer Intern

CY Technologies

Sunyani, Ghana 07/2021 - 10/2021

- Successfully collaborated with multiple clients to design and develop customized websites that met and exceeded expectations. By utilizing user-centric design principles for user experience and system usability, resulting in over 15% increase in client website engagements and great customer satisfaction.
- PHP expertise was utilized to develop and enhance the backend functionalities of multiple web applications.

Software Developer

Contract

Accra, Ghana 07/2020 - 11/2020

- **Donation System:** Implemented a secure and streamlined payment system with Paystack that simplified the donation process for those in need, while ensuring transparency and accountability. The system resulted in a significant increase in donations and improved trust among donors enabling more people to receive the support required.

Software Developer

Contract

Accra, Ghana 02/2020 - 05/2020

- **E-Voting System:** Created a secure electronic voting platform that allows for easy and convenient online voting while also guaranteeing the confidentiality and accuracy of the voting process. As a result, the system saw a 30% rise in the number of participants during that year.

Education

University of Energy and Natural Resources

Sunyani, Ghana 08/2018 - 10/2022

- Bachelor of Science, Information Technology

Other Projects

- **Archiving System:** Built a robust and intuitive web application that revolutionized document management for a large user base. Leveraged Node, Express, and MongoDB to create a seamless user experience for uploading, downloading, and viewing documents of multiple formats, resulting in significantly improved efficiency and user satisfaction.
- **Anonymous Crime Reporter:** Developed a web application that lets people in an institution report crime without their identity being shown. Technologies used are Node, Express, and MongoDB.
- **Scouting System:** Created a Node, Express, and MongoDB web application that transformed talent scouting by providing scouts worldwide with an easy-to-use platform to discover talented players, leading to increased club performances.

Mentorship

- **Data Structures and Algorithms Tutor:** Taught a group of students Data Structures and Algorithms and their implementation in C++.
- **Programming Instructor:** Taught a group of students basic concepts of C++ and Python.