

# STEPHEN KORANKYE

[in LinkedIn](#) | [+44 \(0\) 7880506166](#) | [Website](#) | [✉ korankyes027@gmail.com](#) | [GitHub](#) | [Wigan, UK](#)

## Skills

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

## Professional Experience

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### Software Engineer

#### Amfex Network

*Ghana (Remote) 10/2021 - 07/2023*

- Spearheaded the end-to-end design and development of a cutting-edge system for the Ghana Immigration Service, prioritising security and speed to manage thousands of immigration and security-related cases per month efficiently. The system revolutionised operations, replacing manual processes with paperless efficiency and increased productivity.
- Developed a robust, 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 among team members, 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

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### University of Energy and Natural Resources

*Sunyani, Ghana 08/2018 - 10/2022*

- Bachelor of Science, Information Technology

## Other Projects

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- **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

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- **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.