

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

Experience

Software Engineer **Amfex Network** *Sunyani, Ghana* **10/2021 - 03/2023**

- Spearheaded the end-to-end design and development of a cutting-edge system for the Ghana Immigration Service, prioritizing security and speed to efficiently manage thousands of immigration and security-related cases per month. The system revolutionized the way the Immigration Service handled its operation resulting in a significant increase in efficiency and accuracy.
- Designed and implemented a communication system that facilitated real-time collaboration and information sharing among employees. The system utilized technologies such as MongoDB, Node.js with TypeScript, and React.js, and enabled employees to easily exchange messages, files and feedback in an efficient manner.
- Designed and developed enterprise-level applications for diverse clients, leveraging modern technologies such as Node.js, FastAPI, 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**

- Collaborated with multiple clients to design and develop customized websites that exceed expectations, leveraging user-centric design principles to optimize user experience and system usability.
- Utilized my expertise in PHP to develop and enhance the backend functionalities of multiple web applications.

Software Developer **Contract** *Accra, Ghana* **07/2020 - 11/2020**

- **Donation System:** Created a secure payment system using Paypal to simplify the donation process for those in need while ensuring transparency and accountability.

Software Developer **Contract** *Accra, Ghana* **02/2020 - 05/2020**

- **E-Voting System:** I developed a secure e-voting system that enables convenient online voting while ensuring the integrity and privacy of the voting process.

Education

University of Energy and Natural Resources *Sunyani, Ghana* **08/2018 - 10/2022**

- Bachelor of Science, Information Technology

Other Projects

- **Archiving System:** Developed a web application enabling users to seamlessly upload, download and view documents of many formats. Technologies leveraged for this project included Node, Express, and MongoDB.
- **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:** Developed a web application that allows football scouts to find talented players worldwide. Technologies used are Node, Express, and MongoDB.

Mentorship

- **Data Structures and Algorithms Tutor:** Taught a group of students Data Structures and Algorithms and how they are implemented in C++.
- **Programming Instructor:** Taught a group of students basic concepts of C++ and Python.