Prince Lartey

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EDUCATION

Kwame Nkrumah University of Science and Technology   Kumasi, Ghana
Bachelors of Science in Meteorology and Climate Science, Minor in Programming   *Sept, 2016 – Aug, 2020*

Ningo Senior High School   Ningo, Ghana
General Science   *May, 2010 – May, 2013*

EXPERIENCE

JUNIOR SOFTWARE DEVELOPER   Jan, 2023 – Present
Axon Information Systems Limited   *Accra, Ghana*

- Developing dynamic and responsive user interfaces for systems, ensuring a seamless user experience.
- Collaborating with senior developers to architect and build key systems features, focusing on performance and usability.
- Led full-stack development for personal projects, including the Axon Employee Management System (frontend and backend) and the School Management System (frontend, database design, and backend).
- Design and implement unit tests to ensure the functionality and reliability of individual code modules across multiple projects.
- Execute automation testing on company-built systems, enhancing quality assurance and streamlining release cycles.
- Mentor and train interns, providing hands-on guidance through structured learning paths, conducting weekly review sessions, addressing challenges, and fostering a collaborative learning environment within the team.

SOFTWARE DEVELOPMENT (INTERN)   Oct, 2021 – Nov, 2022
Axon Information Systems Limited   *Accra, Ghana*

- Worked with my colleagues in developing the user interface of the Axon blood bank system which was a project for interns
- Worked closely with the frontend development team because that where my interest and expertise lie.
- Perform manual testing on already developed systems
- Performed automation testing on already developed systems

UNDERGRADUATE RESEARCH AND TEACHING ASSISTANT   Sept, 2020 – Aug, 2021
Kwame Nkrumah University of Science and Technology   *Kumasi, Ghana*

- Support course instructors by helping with class preparation, grading assignments, and providing additional explanations to students.
- Assist in grading assignments, quizzes, exams, and other assessments while providing constructive feedback to students.

- Assist in conducting literature reviews to gather background information and relevant research for ongoing projects by my supervisor.
- If the research involves programming, contribute to coding tasks, debugging, and algorithm development.

INTERSHIP   Jun, 2019 – Aug, 2019
Axon Information Systems Limited   *Accra, Ghana*

- Absorbed fundamental concepts of programming, software development methodologies, and tools used by the team.
- Worked closely with senior developers to understand project requirements, coding practices, and design principles
- Gained exposure to new languages, frameworks, and tools used in the software development industry.

INTERSHIP   Jun, 2018 – Aug, 2018
RixRod Company Limited   *Accra, Ghana*

- Absorbed fundamental concepts of programming, software development methodologies, and tools used by the team.
- Worked closely with senior developers to understand project requirements, coding practices, and design principles
- Gained exposure to new languages, frameworks, and tools used in the software development industry.

VOLUNTEER EXPERIENCE

VOLUNTEER TUTOR   Jan, 2022 - Present
Mercy School Complex, Awudome Junior High School

- Teaching introductory programming concepts, such as algorithms, data structures, and basic programming languages (Python and Scratch)
- Delivering instruction on fundamental ICT concepts, including hardware, software, internet, and digital literacy.
- Assessing student understanding through regular assignments, projects, and exams.
- I do this every Saturday as a way of helping out the younger generation with an interest in Computer Science.

VOLUNTEER WEB APP DEVELOPMENT (Frontend Development)
Aburi Craft Village   Sept, 2024 - Present

- My colleagues and myself volunteered to develop a web application and mobile software for Aburi Craft Village after responding to their advertisement.
- Leading the frontend development for the web app, utilizing technologies such as React, TypeScript and Tailwind.
- Collaborating with my team of developers to ensure smooth integration of frontend and backend features.

PROJECTS

PriShop - Multi-Vendor E-commence System (Full Stack Development)
Technologies: *React, Nodejs, Express, MongoDb, Render, Vercel, WebSockets, PayStack*
Key Responsibilities:
- Designed and developed PriShop, a multi-seller e-commerce platform using React (Vite) for frontend and Node.js (Express) for backend.
- Implemented user authentication with role-based access control for buyers, sellers, and admins.
- Integrated Ghana Paystack for secure payment processing and transaction tracking.
- Built a real-time chat system using WebSockets to enhance customer-seller communication.
- Implemented an admin dashboard for monitoring sales, orders, and user activities.

Link: You can check it out HERE

SCHOOL MANAGEMENT SYSTEM (Full Stack Development)
Technologies: *React, Nodejs, Express, MySQL, Render, Vercel, Clever Cloud*
Key Responsibilities:
- Designed and developed the system using React with Vite for frontend and Nodejs for backend.
- Implemented user authentication, CRUD operations for admins, students and teachers.
- Integrated MySQL for database management and handled deployment using Render and Vercel.
Link: You can check it out HERE

NUMEX BUSINESS MANAGEMENT SYSTEM (Frontend Development)
Technologies: React, TypeScript, Tailwind
Key Responsibilities:
- Developed responsive UI components using modern web technologies.
- Collaborated with the design and backend teams to integrate APIs and ensure seamless user interactions.
- Optimized the frontend for performance and cross-browser compatibility.
Link: You can check it out HERE

NOTE TAKING APP
Technologies: React, TypeScript, Bootstrap
Key Responsibilities:
- Developed a responsive and intuitive web app for managing notes. The app allows users to create, edit, and delete notes in real-time, with features like tagging and search functionality for better organization.
Link: You can check it out HERE

TECHNICAL SKILLS

Languages: Python, SQL(MySQL), JavaScript, HTML/CSS, TypeScript

Frameworks: React, Node.js, Next.js, Svelte Kit

Developer Tools: Git, VS Code, Visual Studio, PyCharm

Libraries: Tailwind CSS, React Router