Emmanuel Kudom-Agyemang

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EDUCATION

- **Kwame Nkrumah University of Science and Technology** — Kumasi, Ghana
  Bachelor of Science - Computer Engineering — Sept 2016 - Sept 2020
  Relevant Courses: Operating Systems, Data Structures and Algorithms, Object Oriented Programming, Artificial Intelligence, Programming and Problem Solving, Software Engineering, Databases

SKILLS SUMMARY

- **Languages:** Python, C++, TypeScript, SQL, JAVA, HTML & CSS, JavaScript
- **Frameworks:** React, Next.js, Angular, Vue.js, Flask, Express.js, Fast API
- **Tools:** Docker, GIT, PostgreSQL, MySQL, Google Lighthouse, GitHub Actions, CircleCI
- **Platforms:** Linux, Web, Windows, Github, Stackoverflow, AWS, Node.js, GCP, Heroku, Vercel
- **Soft Skills:** Leadership, Event Management, Documentation, Public Speaking, Time Management, Presentation

RECENT EXPERIENCE

- **Ghana-India Kofi Annan Center of Excellence in ICT** — Accra, Ghana
  Software Engineer (Contractual) — Sept 2021 - January 2024
  - **Summary**: In a pivotal role as a software engineer, I diligently adhered to rigorous development practices and coding guidelines focusing on readability. Engaging in architectural planning, I was key in shaping an efficient infrastructure design that supported front-end to back-end communication. These initiatives collectively contributed to a more streamlined development process
  - **Tools - Across different Projects**: HTML5, JavaScript, React, Flask, Python, Numpy, ES6, CSS3, Figma, Git, GitHub, Jest.
  - **Impact**: A 30% reduction in system response times due which improved system communication.

- **ZROversrse** — Remote
  Front-End Engineering Lead (Full-time) — Jan 2022 - Sep 2023
  - **Summary**: As the front-end development team lead, I mastered achieving pixel precision; translating intricate Figma designs into web pages that surpassed expectations. I ensured seamless responsiveness across all devices and optimized performance for fast load times. My leadership fostered a collaborative environment, aligning team members to deliver visually stunning and highly functional interfaces.
  - **Tools**: Angular, ES6, Prime CSS, Sass, ClickUp, Git, Ngrx, Figma., Git, GitHub, Jest.
  - **Impact**: A 15% reduction in version-deployment times; facilitating quicker iterations and innovative feature releases.

PROJECTS

- **Alumni Platform - Internal platform for the center's alumni to connect)**: Engineered dynamic alumni platform to connect alumni, fostering professional networking, collaboration, and career growth. The platform featured user profiles, mentoring, and a searchable directory, empowering alumni to exchange insights, access exclusive resources, and strengthen the community. Tech: JavaScript, React, Html5, CSS3, FastApi, Python

- **St. Luke Cardiac Clinic Web - Platform for the St. Luke Cardiac Clinic)**: Developed a clinic web app that streamlines appointment booking and enhances patient engagement. The platform provides users with information about services and allows them to schedule appointments easily, improving efficiency and empowering patients to take control of their healthcare experience. Tech: TypeScript, React, Next.js, Express.js, Node.js, Jest, Postgresql, GitHub Actions, AWS.

- **African Pharmaceutical Symposium 2023 Web**: Engineered a web app with the primary goal of facilitating and managing registration for the African Pharmaceutical Symposium 2023, achieving an impressive 98% conversion rate of visitors as they enthusiastically transformed into engaged participants. Tech: React, React Router, ES6, CSS3, HTML5, Figma, Git, GitHub, Jest (July 2023)

- **Schedule Optima**: Identified scheduling issues at a movie event with six premieres and automated the process to optimize sessions across limited cinema rooms. By analyzing customer preferences and movement, I created a schedule that reduced crowding by 80%, improved room utilization, and enhanced the overall customer experience. Tech: React, React Router, ES6, CSS3, HTML5, Figma, Git, GitHub, Jest (July 2023)

- **Error-Eagle**: Engineered a powerful VSCode extension that intelligently tracks and records errors in the terminal, enabling users to save solutions alongside each error. The extension automatically detects recurring errors and instantly presents the relevant solution, streamlining error resolution, eliminating tedious searches, and enhancing productivity by preventing forgotten fixes. Tech: Typescript, ESLint, Git, GitHub, Jest (February 2024)

VOLUNTEER EXPERIENCE

- **Ambassador for SDG3 - Kayole, Kenya**: Served as an ambassador for Sustainable Development Goal 3: Good Health and Well-being in the Basketball Love Project with the Far East Basketball Association, through AIESEC. Engaged the Kayole community, using basketball to inspire youth, parents, and coaches, fostering globally minded, self-driven players, and promoting proactive approaches to local and global challenges. (Dec 2019)

- **Facilitator at the National Youth Leadership Summit, 2021 - Accra, Ghana** : As a volunteer facilitator for a PowerPoint basics workshop, I helped participants master essential presentation skills. I fostered an interactive learning environment, simplifying the basics and addressing individual needs. My efforts ensured participants gained a solid understanding of PowerPoint and the confidence to deliver effective presentations. (Mar 2021)