

# Emmanuel Kudom-Agyemang

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## Education

### Kwame Nkrumah university of Science and Technology

BSc in Computer Engineering

Kumasi, Ghana

Sept 2016 - 2020

- **Relevant Courses:** Data Structures and Algorithms, Programming and Problem Solving, Software Engineering, Databases

## Experience

### ZROversrse (Remote)

Frontend Developer

Accra, Ghana

Sept 2021 - Present

- As the driving force for frontend behind the development team, I mastered achieving pixel precision, translating intricate Figma designs into web pages that surpassed expectations. My strategic collaboration approach streamlined our development pipeline, reducing time-to-market by an impressive 25%, facilitating quicker iterations and innovative feature releases.

### Ghana-India Kofi Annan Center of Excellence in ICT

Frontend Developer

Accra, Ghana

Sept 2020 - Sept 2021

- In a pivotal role as a Senior Frontend Developer, I diligently adhered to rigorous development practices and coding guidelines like focusing on readability, resulting in a codebase that achieved a 20% reduction in bug instances. Engaging in architectural planning, I played a key role in shaping the efficient infrastructure design that supported our frontend-backend communication, resulting in a 30% reduction in system response times. These initiatives collectively contributed to a more streamlined development process.

## Projects

### Movie Scheduler

Personal Project

Accra, Ghana

Nov 2023 - Dec 2023

- Designed and Developed an advanced automated movie scheduler for the insomnia movie event of the Silverbird cinema in Accra. This resulted in a remarkable 99% reduction in scheduling time which was previously hand-written.
- Further improved the solution by systematically evaluating all possible unique combinations of user-selected movies and presenting the schedule that serves the most combinations optimizing customer movement, ensuring an optimal schedule regardless of the selected sequence of four movies. This led to a 70% reduction in crowding and significantly alleviated the staff's workload, providing them with substantial relief.
- **Tools:** Next, ES6, Git, GitHub, Typescript, TailwindCSS.

### African Pharmaceutical Symposium

International Pharmaceutical Students' Federation-African Regional Office

Accra, Ghana

Feb 2023 - July 2023

- Engineered a website with the primary goal of encouraging registrations for the African Pharmaceutical Symposium, achieving an impressive 95% conversion rate as visitors enthusiastically transformed into engaged participants.
- Meticulously incorporated well-optimized meta descriptions and titles, coupled with social media integration, amplified the symposium's reach and engagement, increasing visibility when users actively sought related information.
- **Tools:** React, React Router, ES6, CSS, Figma, Git, GitHub, Jest

### Zroverse

ZROverse (Remote)

Accra, Ghana

Nov 2021 - Nov 2022

- Led a front-end team to implement a pixel-perfect ecommerce dashboard mockup, adhering to the mobile-first approach to ensure that the application was optimized for small screens and touch input.
- Applied NgRx state management to dashboard to implement filtering and sorting of product listings by storing settings, implement user preferences from user profile data, and caching to reduce api calls resulting in a three times faster load time and improved user experience.
- **Tools:** Angular, ES6, Prime CSS, Sass, ClickUp, Git, NgRx, Figma.

## Skills

HTML, CSS, JavaScript, ECMAScript, Typescript, Git, GitHub, React.js, Angular, Vue, Docker, Jest, Figma, Express.js

## Leadership

### Volunteer

I volunteered for the Basketball Love Project under the Far East Basketball Association in Kenya through AIESEC, serving as an ambassador for Sustainable Development Goal 3 (SDG 3); Good health and well-being. I dedicated my time to the Kayole community, utilizing basketball as a powerful platform to influence players and parents. Through various initiatives, my aim was to instill proactive mindsets among the community members, fostering awareness and engagement with both local and global issues.