

FREDERICK AZIEBU

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EDUCATION

Kwame Nkrumah University of Science and Technology | Bsc Biomedical Engineering

Kumasi, Ghana | 09/2019 - 11/2023

- CWA: 71.81
- AWARDS: Most Innovative Student Personality 2023, Excellent Student Award 2021

Relevant Coursework: Object Oriented Programming with Java, C programming, Microprocessors, Embedded Systems

EXPERIENCE

Qickspace | Software Engineer

Crellestr 8, 10827 Berlin | 11/2023 - Current

- Collaborated with a Senior Engineer to develop a frontend application for our service site using Nuxt.js Framework, implementing UI/UX best practices for beautiful user interfaces, leading to enhanced usability and increased user satisfaction.
- Utilised Docker to containerize frontend code, simplifying deployment processes and maintaining industry-standard practices, resulting in improved scalability, consistency, and efficiency throughout development and deployment phases.
- Improved frontend service by adding search functionality with Mellisearch integration, achieving an impressive search response time of around 4ms. This enhancement ensures users experience faster and more efficient search interactions, enhancing overall satisfaction and usability.
- Created a bash script for efficient search engine data indexing and slashed development environment startup time from 10 minutes to seconds. This boosts productivity, enabling faster iteration and smoother workflow.
- Deployed frontend container application onto a cloud platform, adhering to Well Architected framework best practices, ensuring scalability, reliability, security, and optimal performance.

Versified Technology Company Limited | Junior Software Engineer

Kumasi, Ghana | 11/2022 - 11/2023

- Teamed up with a fellow Software Engineer to create a password management system using the Next13 Framework, incorporating UI/UX best practices to deliver intuitive user interfaces, ultimately enhancing usability and elevating user satisfaction.
- United tested the system's most relevant features, writing tests to cover edge cases. This effort doubled the code test coverage, significantly improving code quality.
- Developed an algorithm for password generation that combines various options such as length, uppercase, lowercase, numbers, and symbols, resulting in passwords that are approximately 99.99% hard to guess. This enhances reliability and security for users.

SKILLS AND INTERESTS

Programming Languages: Python, Javascript, Java, C

Experience with: Docker, Git, React, Next13, Express, Flask, MongoDB, SQL, Tensorflow, VueJS, Nuxt3

Soft Skills: Communication, Problem Solving, Teamwork, Adaptability, Attention to Detail, Critical Thinking, Leadership

PROJECTS

SaaS AI Platform | [Link](#)

- Integrated stripe payment api into application, enabling users to pay for the services they use
- Implemented AI features such as conversation generation, image generation, audio and video generation which provided users easy access to the most useful cutting edge AI features in the market
- Developed with Next13, OpenAI, ReplicateAI, Stripe and PlanetScale database

TB Classification models | [Link](#)

- Trained deep learning models (InceptionV3, densenet121, densenet201) on a mixture of local and online available Tuberculosis dataset with inceptionV3 producing a classification accuracy of about 99%
- Developed with gradio, InceptionV3, densenet121, densenet201

CAMPUS INVOLVEMENT

Biomedical Engineering Department | Academic Chairperson

05/2022 - 08/2023

- Provided peer support and motivated students in BMESS to strive for academic success
- Planned and promoted educational events, debates, seminars and workshops relevant to the department

Biomedical Engineering Department | Assistant Trade and Technology Rep

05/2021 - 05/2022

- Organised coding bootcamps to train BMESS students to be able to program in different languages like C, Java, Python and so on
- Grouped students into different teams to perform both software and hardware projects during meetings to solidify the skills learnt