

Makutu Bright

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Education

- **Altschool Africa** Online program
Diploma in Data Engineering April 2025 – current
- **Kwame Nkrumah University of Science and Technology** Kumasi, Ghana
BsC. of Computer Science September 2020 – October 2024
- **Mawuli Senior High School** Ho, Ghana
West African Secondary School Certificate Examination (WASSCE),
General Science October 2017 – July 2020
- **Sakumono School Complex 2** Sakumono , Ghana
Basic Education Certificate Examination (BECE) September 2014 – June 2017
 - Achieved 2nd Place in the Regional ICT Quiz, earning recognition for academic excellence while representing my school

Work Experience

- **Codestroma** Kumasi, Ashanti - Ghana
Founder / CEO October 2025 – current
 - Founded Codestroma, a tech-focused online learning platform offering structured courses in Fullstack JavaScript, web scraping, and generative AI, enabling learners to progress from beginner to advanced levels through hands-on projects.
 - Designed and launched a modular course system, including multi-session programs, live doubt-clearing sessions, and interactive coding exercises, enhancing student engagement and learning outcomes.
 - Led curriculum development for advanced topics such as generative AI with JavaScript, multimodal inputs, and practical web application projects, ensuring content stays up-to-date with industry trends.
 - Built and managed a learner community via Telegram groups and other channels, fostering peer-to-peer support, real-time updates, and feedback loops to continuously improve the learning experience
- **Love - Tech Alpha** Kumasi, Ashanti - Ghana
Senior Software Engineer June 2025 – current
Tech Stack: React, Node.js, PostgreSQL, Docker, Git, CI/CD,
 - Led the engineering team in the end-to-end design, development, and deployment of a full-featured online learning platform, enabling students to access courses, assignments, and assessments seamlessly.
 - Architected the system's backend and frontend frameworks, ensuring scalability, high availability, and smooth performance for 300+ active student users.
 - Implemented secure authentication, role-based access control, ensuring a safe and reliable environment for learners and instructors.
 - Developed and optimized APIs and data models, improving platform responsiveness and supporting real-time progress tracking and course completion analytics.

- **Alle - Ai**

Fullstack Developer Intern

Kumasi, Ashanti - Ghana
September 2023 – December 2023

- Played a pivotal role in the development of a region based content delivery tool
- Received formal commendation from senior management for exceptional performance, dedication, and teamwork during the internship.
- Contributed to the development of a region-based content delivery tool, improving accessibility and personalized content distribution for end users.
- Assisted in API development and optimization, enhancing data retrieval efficiency and reducing latency for end users.

- **Love Economy Church - Alpha**

Sound Engineer – Head Assistant

Kumasi, Ashanti - Ghana
February 2021 – December 2024

- Assisted the Head Sound Engineer in setting up, operating, and maintaining professional audio equipment during live services and events attended by hundreds of participants.
- Conducted sound checks and resolved technical issues in real time, ensuring clear, balanced, and uninterrupted audio delivery.
- Managed stage setup and microphone arrangements, supporting smooth transitions for speakers, vocalists, and musicians.
- Collaborated with the media and production team to synchronize sound with live streaming and recorded sessions for online audiences.
- Recognized for reliability, precision, and teamwork, contributing to the overall quality of worship and event experiences.
- Trained and supervised junior volunteers, enhancing team efficiency and building a dependable audio support unit.

Projects

- **Love Economy Training platform**

Tech stack: React, Nodejs, Nextjs, Cloudflare, postgresql

A web-based training platform church members to enroll in courses, track progress, and access resources online.

Project Link : <https://le-course-platform.vercel.app/>

- **CodeStroma**

Tech stack: React, Nodejs, Nextjs, Cloudflare, postgresql

A web-based training platform enabling students from various institutions to enroll and learn how to develop Software with modern

Tech Stack

Project Link : codestroma.com

- **Alle - AI Desktop**

Tech Stack: Wails (Go + Webview), Go, React, TypeScript, REST APIs, SQLite/PostgreSQL, Docker, Git

A cross-platform desktop application that allows users to run and manage different AI/ML models

- **Uniguide**

Tech stack: React, Nodejs, Nextjs, Cloudflare, postgresql

A web-based platform that helps students discover and select the most suitable schools based on their preferences and academic performance.

Project Link : <https://uniguide-live.vercel.app/>

Programming Skills

Languages: Typescript/Javascript(4+yrs),Python(2+years) Dart(1yr), SQL(3+yrs), Go(3yr), HTML(6+yrs), CSS(6+yrs), C/C++(2+yrs), Java(2+yrs), Rust(1yr)

Cloud Technologies: Google Cloud(2+yrs), Cloudflare(4+yrs), Linode Virtual Private Server(2yrs)

APIs: REST APIs(4+yrs), GraphQL(4+yrs), gRPC(1yr)

Frameworks: ReactJS(4+yrs)Flutter(2+yrs), ExpressJS(4+yrs), Apollo Graphql(4+yrs), NextJS(3+yrs), Docker(2yrs), NestJS(2yrs)

Databases: MySQL(3+yrs), PostgreSQL(4+yrs), MongoDB(4+yrs), Redis(3+yrs)

Automation frameworks: n8n, cloudflare workflows, make

Web scraping: Puppeteer, go-colly, http-requests

Testing: Jest, Cypress,

Office Suit: Microsof word, Microsoft Excel , Google Docs, Google Docs , Google Sheet