

SAMWEL ETEMESI

Full Stack Developer | Nairobi, Kenya

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PROFESSIONAL SUMMARY

Full Stack Developer with 3+ years of experience building production-grade web applications using Next.js, Express.js, MongoDB, and React. Proven track record of delivering end-to-end solutions — from database architecture and REST API design to responsive frontend interfaces and Cloudinary media management. Built the complete digital platform for Mwelu Foundation, a Nairobi-based NGO, as a solo developer. Experienced in JWT authentication, Vercel and Render deployments, and admin dashboard development. Currently pursuing BSc Information Technology at KCA University.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, Dart, SQL, HTML5, CSS3

Frontend: Next.js 14, React.js, Tailwind CSS, AOS Animations, Swiper.js

Backend: Express.js, Node.js, REST API Design, JWT Auth, bcrypt, Mongoose

Databases: MongoDB Atlas, PostgreSQL, Firebase Firestore

DevOps: Vercel, Render, Cloudinary, Git, GitHub, Docker (basic)

Mobile: Flutter, Android Development, Firebase Integration

Tools: VS Code, Postman, MongoDB Compass, Figma, Linux

WORK EXPERIENCE

Full Stack Developer (Internship → Contract) | Mwelu Foundation, Nairobi, Kenya | Sep 2025 – Present

- Sole developer responsible for designing and building the entire Mwelu Foundation web platform from scratch — a full-stack Next.js + Express.js application with MongoDB Atlas and Cloudinary.
- Built a custom CMS admin dashboard with role-based access, JWT authentication, blog management, project showcase, team members, gallery with video/photo support, and newsletter subscription.
- Implemented CSS isolation to load separate admin and public stylesheets conditionally via `_app.js`, preventing style conflicts across the monorepo.
- Deployed frontend on Vercel and Express API server on Render with keep-alive pinging to maintain uptime on free tier.
- Negotiating full-time ICT Officer role with a proposed 12-month work plan covering Microsoft 365 governance, SEO growth, IT infrastructure, and a community ICT Hub digital literacy programme.

Full Stack Developer Internship | AA Kenya, Nairobi, Kenya | Jan 2025 – Aug 2025

- Developed and maintained internal web applications using React.js and Node.js.
- Collaborated with cross-functional teams to deliver features on time within agile sprint cycles.
- Implemented REST API integrations and improved frontend performance through code optimization.

Frontend Web Developer | Sultana Babyshop & Cosmetics, Nairobi, Kenya | 2023 – 2025

- Built and maintained the company's e-commerce frontend using React.js and Bootstrap.
- Improved mobile responsiveness and page load speed, resulting in increased customer engagement.
- Integrated product catalogue with backend inventory APIs.

IT Technical Support Intern | USIU Africa, Nairobi, Kenya | Jan 2023 – Apr 2023

- Installed and configured Ubuntu and Windows 11 across multiple computer labs serving hundreds of students.
- Conducted hardware and software maintenance, antivirus deployment, and lab coordination with lecturers.

Call Center Agent | CCI Kenya (Metro by T-Mobile), Nairobi, Kenya | May 2023 – Dec 2023

- Handled 45+ customer calls daily for a US-based telecommunications client, maintaining high satisfaction scores.
- Utilized multiple CRM tools simultaneously in a remote international work environment.

KEY PROJECTS

Mwelu Foundation Platform — mwelufoundation.org

- Full-stack NGO website: Next.js 14 (Pages Router) + Express.js REST API + MongoDB Atlas + Cloudinary.
- Features: blog CMS, project showcase, photo/video gallery, team members, contacts, newsletter, admin dashboard with JWT auth.
- Stack: Next.js, Express.js, MongoDB, Cloudinary, Vercel, Render.

CodesByEtemesi Portfolio — codesbyetemesi.dev

- Personal developer portfolio with separated frontend (Next.js/Vercel) and backend (Express.js/Render) architecture.
- Admin dashboard for managing blogs, projects, gallery, shop (affiliate products), and contacts.
- Includes markdown blog editor, Cloudinary image uploads, nested comments, and dual KES/USD pricing.

Store Center — github.com/CodesByEtemesi/store_centre_front

- Frontend web application for secure storage unit browsing and booking with user authentication and client/employee dashboards.
- Stack: React.js, Python Flask, SQLAlchemy.

Sifa Theatre — github.com/CodesByEtemesi/sifa_theatre

- Web application for browsing and purchasing theatre show tickets with secure authentication and Flask/SQLAlchemy backend.

EDUCATION

BSc Information Technology | *KCA University, Nairobi, Kenya* | 2024 - Present

- Final year student. Relevant coursework: Software Engineering, Database Systems, Network Security, Cloud Computing.

Diploma in Business Information Technology | *KCA University, Nairobi, Kenya* | 2021 - 2023

Certificate in Business Information Technology | *KCA University, Nairobi, Kenya* | 2021 - 2022

Full Stack Web Development | *Moringa School, Nairobi, Kenya* | Nov 2023 - Aug 2024

- Intensive programme covering Python with Flask, JavaScript, React.js, and software engineering best practices.

ADDITIONAL

Languages: English (Fluent), Swahili (Native), Sheng

Interests: Open source development, technical blogging, content creation, swimming, camping

Portfolio: codesbyetemesi.dev

GitHub: github.com/CodesByEtemesi