

Emmanuel Nyatepe

Katamanso

Full-stack developer with a strong focus on building high-impact web and mobile applications. Experienced in React, React Native, Node.js, TypeScript, Firebase, and cloud services like AWS. Proven ability to lead projects end-to-end — from UI/UX and API development to deployment — with real-world experience in e-commerce, social networking, real estate tech, IoT, and enterprise raffle systems. Adept at integrating third-party APIs (e.g., SMS, chat, maps) and working across platforms (Electron, mobile, and web). Passionate about building scalable, user-focused applications that solve real problems.

KEY COMPETENCIES

- Full-Stack Software Engineering – Building and maintaining scalable web and mobile applications
- Frontend Development – React, React Native, modern UI architecture, and performance optimization
- Backend Development – Node.js, Ruby, Java, RESTful APIs, and service integration
- TypeScript & JavaScript – Strong typing, maintainable code, and large-scale application structure
- Legacy Codebases – Refactoring, upgrading, and modernizing existing systems without breaking production
- System Maintenance & Optimization – Debugging, performance tuning, and long-term stability improvements
- API Integration – Secure data flow, authentication, and third-party service integration
- Cross-Team Collaboration – Working with product, design, and backend teams in production environments

PROFESSIONAL EXPERIENCE

Steaman Group Limited – East Legon, Ghana

September 2025 – Present

Full Stack Developer

- Revamped and modernized existing React Native mobile applications, improving performance, stability, and compliance with updated platform requirements
- Built and shipped new React Native applications from scratch, supporting real-world business and operational workflows
- Developed and maintained web applications using React, delivering responsive and maintainable user interfaces
- Worked extensively with legacy codebases, refactoring and upgrading features without disrupting live systems
- Collaborated on backend services using Ruby on Rails, integrating APIs and supporting end-to-end feature delivery
- Contributed to improving internal systems and tooling, helping streamline workflows and make day-to-day operations easier for teams

Kamak Paperless – East Legon, Ghana

June 2024 – Oct 2024

Software Engineer

- Designed and developed a full-stack handyman services platform using React, Node.js, and Firebase, allowing users to locate nearby service providers via Google Maps integration.
- Integrated SMS and email notifications to streamline communication between users and vendors.
- Maintained and extended a legacy enterprise system for corporate trustees built with JavaServer Faces (JSF), ensuring business continuity and code stability.
- Wrote complex SQL queries and backend scripts to generate automated analytical reports, improving visibility into operational and user activity metrics.

Software Engineer (Remote Contract)

- Engineered a full-featured raffle draw system for MTN Liberia across desktop (Electron) and web platforms, with an offline-first architecture that syncs automatically when back online.
- Built with React, Electron, and Node.js, implementing efficient inter-process communication (IPC) for seamless desktop experience.
- Currently leading the rebuild of the desktop raffle app using C++ and the Qt Framework, improving speed, native OS integration, and system-level control.
- Collaborated remotely with cross-functional teams to scope features, review requirements, and deploy deliverables under tight deadlines.

Wigal Solutions – Frafraha, Ghana**March 2024 - June 2024****Frontend Developer Intern**

- Built a cross-platform Point of Sale (POS) mobile app using React Native (Expo) to streamline car wash service and payment tracking for local businesses.
- Developed a desktop admin portal using Electron.js and React, enabling in-house teams to manage data and monitor SaaS products in real time.
- Ensured mobile and desktop apps delivered a seamless and consistent UI/UX across platforms, with offline capabilities and local caching.
- Applied best practices in state management, API integration, and component reuse to reduce development time and improve maintainability.

37 Military Hospital – Accra, Ghana**May 2023 – August 2023****Networking & IT Intern**

- Assisted in designing and maintaining the hospital's network infrastructure, including cable tracing, terminations, and setting up routers and switches for new office areas.
- Conducted hardware diagnostics and upgrades, including RAM and hard drive installations across multiple units, improving system reliability.
- Developed an internal Equipment Management System using C# and .NET Framework (WinForms) to track and manage medical devices, enhancing asset accountability.
- Gained hands-on exposure to hospital IT workflows, blending software development with systems maintenance and support.

PROJECTS**Raffle Draw Application (Tech231 – MTN Liberia)***Desktop & Web Platform for Live Promotional Draws*

- Built a desktop raffle draw application using React and Electron for real-time, randomized winner selection
- Engineered secure draw logic, event logging, and winner validation on the Node.js backend
- Delivered a browser-based version of the platform to support wider accessibility
- Ensured reliability and stability during live promotional events
- Collaborated under Tech231; product verification available through the company

Tech Stack: React, Electron, Node.js**AirState Land & Property Search***Property Discovery Web Application*<https://airstatefinder.web.app>

- Developed a web platform for searching and managing land and property listings
- Implemented user authentication and real-time data updates using Firebase
- Integrated SMS notifications for user communication and verification
- Built a clean, responsive interface focused on ease of use and fast onboarding

Tech Stack: React, Firebase**Steaman Mall***E-commerce Mobile Application*

- Revamped and modernized an existing React Native mobile application
- Updated the app to fully comply with Google Play's 16KB memory page size requirement
- Refactored legacy components to improve stability and performance
- Implemented UI and feature updates to improve usability and maintainability
- Prepared and delivered production-ready builds for store deployment

Tech Stack: React Native

Ubihealth by Steaman

Healthcare & Pharmacy Mobile Platform

- Upgraded the mobile app to meet Google Play 16KB compliance standards
- Designed and built the entire Pharmacy Module from scratch
- Implemented workflows for pharmacy onboarding, inventory management, and order processing
- Integrated backend APIs to support real-time pharmacy operations
- Improved scalability and maintainability using clean architecture and TypeScript

Tech Stack: React Native, TypeScript

Ubihealth Riders

Pharmacy Logistics & Delivery Application

- Built the rider application from the ground up using React Native
- Developed delivery workflows including order assignment and status updates
- Implemented efficient state management and navigation for real-time usage
- Ensured performance optimization and Play Store-ready builds
- Integrated the app seamlessly with the Ubihealth Pharmacy platform

Tech Stack: React Native

Workerdom

Handyman Hiring & Service Marketplace

<https://workerdom.com>

- Designed and built a full-stack web application connecting clients with skilled handymen
- Developed a responsive frontend using React Built backend services with Node.js to handle authentication, listings, and job requests Implemented end-to-end workflows between service providers and clients Deployed and maintained the application in a live production environment

Tech Stack: React, Node.js

GridGuard

Smart Power Status Monitoring System

- Developed a Golang API to receive and process real-time signals from IoT devices
- Implemented database persistence for power status updates per device
- Built a Node.js API to serve data to the mobile application
- Set up and managed VPS infrastructure, including CI/CD pipelines for backend services
- Integrated all backend APIs into the React Native mobile app
- Designed the system for reliability, low data usage, and high uptime

Tech Stack: React Native, Golang, Node.js

My Lineage

Family Tree & Social Networking Mobile Application

- Built a mobile application for managing family trees and social interactions
- Implemented high-performance family tree visualization using React Native Skia
- Integrated real-time messaging with Stream Chat SDK
- Designed and developed a scalable backend using Spring Boot
- Deployed backend infrastructure to a VPS
- Supported social features including posts, comments, likes, and chats

Tech Stack: React Native, TypeScript, Node.js, Stream Chat SDK, React Native Skia

CMC Ghana Website

Multilingual Educational Platform

- Developed a multilingual website supporting five languages
- Built an online admission system with student registration and document uploads
- Implemented Google Maps integration for real-time location discovery
- Developed an admin interface for managing applications and site content

Tech Stack: React, Firebase, i18n, Google Maps

EDUCATION & CERTIFICATIONS

Bachelor of Science in Computer Science

Valley View University – Oyibi, Ghana

West African Senior School Certificate (WASSCE)

General Science

Bishop Herman College

LANGUAGES

- English – Native / Full Professional Proficiency
- Adangbe – Fluent
- Ewe – Basic / Conversational