

Frunwi Mugri Ndeh

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WORK EXPERIENCE

Lewah

March 2026 – Present

Co-Founder & Lead Engineer

- Co-founded and led end-to-end product architecture for a multi-platform educational ecosystem consisting of a Flutter mobile app, Next.js web platform, admin dashboard, and Express.js backend services.
- Architected the Flutter application using BLoC state management with offline-first local caching to support low-connectivity environments.
- Built real-time AI feedback functionality using HTTP streaming and OpenRouter AI models to deliver GPT-like conversational responses for students.
- Developed scalable backend services using Express.js with IoC and DI architecture, integrating Redis, PostgreSQL, and Firebase Cloud Messaging.
- Built and maintained the Next.js admin dashboard with API integrations, authentication workflows, and Redux Toolkit state management.

Homoluz

Nov 2022 – Present

Software Engineer

- Led Flutter development of the Cashflow fintech application, architecting the frontend from scratch and implementing responsive UI from Figma designs.
- Integrated payment systems, QR code scanning, camera-based workflows, deep linking, and secure authentication including biometric login and device PIN/pattern security.
- Contributed to the Cashflow admin dashboard using Next.js, Tailwind CSS, and Redux Toolkit.
- Built Paymatch, a full-stack fintech platform for international payment matching using Flutter and Express.js with TypeScript.
- Designed backend systems using PostgreSQL, Redis caching, TypeORM, and dependency injection for scalable architecture and payment workflows.

Dohtech Solutions

October 2023 – Present

Full-Stack Developer

- Developed Flutter mobile applications within the Buzme ecosystem, implementing Figma-based UI, Cubit state management, feature development, and API integration.
- Built Express.js backend endpoints and contributed to full-stack logistics and delivery workflows.
- Implemented real-time delivery tracking and live location features using OpenStreetMap for Buzme Delivery.
- Contributed to Buzme Delivery Hub and Buzme Storage web applications using Next.js, cookie-based authentication, API integrations, and Redux Toolkit.

Camsol

Sep. 2022 – Aug. 2023

Full-Stack Developer

- Led Flutter development of Sajent Club, a jewelry discovery application powered by Firebase Authentication, Firestore, and a MongoDB product catalog containing thousands of items.
- Optimized performance for large datasets and delivered scalable cross-platform user experiences.
- Contributed to Gasvisor (React Native) through feature enhancements, UI updates, bug fixes, and maintenance.

- Onboarded and guided team members on architecture, state management, and codebase workflows.

Health Research Foundation

Nov. 2021 – Present

Software Engineer / Research Engineer (Volunteer)

- Spearheaded frontend development within the Digital Innovation Hub using Flutter, React.js, and Next.js.
- Led development of StarMum, a maternal health platform supporting expectant mothers through digital health tools and healthcare guidance.
- Contributed to the DSI-Africa CHD AI project using Python for healthcare machine learning workflows including dataset preparation, model training, experimentation, and evaluation.

Hebron Global

Sep. 2024 – Jan. 2025

Lead Mobile Engineer

- Led mobile development of the H-Cap ride-hailing platform, building and maintaining both Driver and Rider Flutter applications.
- Architected the mobile applications and implemented scalable state management, shared business logic, and reusable UI systems across both apps.
- Created a shared internal Flutter package containing common UI components, utilities, and core functionalities to reduce duplication and improve development efficiency.
- Integrated Google Maps APIs including Places Search, Geocoding, Reverse Geocoding, routing, and real-time location tracking for ride and navigation workflows.
- Implemented secure authentication, API integrations, live driver tracking, payment functionality, and real-time trip updates.
- Optimized application performance, supported production releases, and contributed to scalable mobile engineering workflows across the platform.

EDUCATION

University Of Buea

December 2023

Bachelor's Degree in Computer Engineering

Buea Cameroon

- 3.5/4.0 GPA

TECHNICAL SKILLS

Mobile: Flutter, React Native

Frontend/Web: Next.js, React.js, Tailwind CSS, Redux Toolkit

Backend: Express.js, TypeScript, Node.js, REST APIs

Databases & Infrastructure: PostgreSQL, MongoDB, Redis, Firebase, Firestore

Architecture & State Management: BLoC, Cubit, IoC, Dependency Injection (DI)

AI & Data Science: Python, OpenRouter Models, Model Training, Healthcare AI Workflows

Tools & Platforms: Git, OpenStreetMap, QR Code Scanning, Deep Linking, Firebase Cloud Messaging