

Frunwi Mugri Ndeh

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SUMMARY

Software engineer with nearly five years building and shipping production mobile and web products across fintech, logistics, healthcare, and education, with seven Flutter apps live on Google Play and the App Store. I work primarily in Flutter and Dart and own the services behind them in Node.js, Express, and TypeScript: real-time systems over WebSockets, WebRTC, and Server-Sent Events, offline-first mobile clients, and containerised deployments with GitHub Actions. I enjoy owning products from architecture through to release, and helping the engineers around me do their best work.

WORK EXPERIENCE

Dohtech Solutions

October 2023 – June 2026

Full-Stack Developer

- Built and shipped [Buzme](#) and [Buzme Delivery](#), Flutter apps live on iOS and Android, using Cubit state management, Clean Architecture, dependency injection, and REST integration against live APIs.
- Built in-app voice and video calling with WebRTC, running a Socket.IO signalling server for peer negotiation, call state, and reconnection.
- Led one engineer while delivering real-time courier tracking on OpenStreetMap and OpenRouteService, so customers follow a driver's live position and route from dispatch to drop-off.
- Wrote the Express.js endpoints behind the logistics and delivery workflows, plus the Socket.IO messaging layer shared by the mobile and web clients.
- Built the Buzme Delivery Hub and Buzme Storage web apps in Next.js with cookie-based authentication, Redux Toolkit, and API integration.

Homoluz

February 2024 – Present

Software Engineer (Part-time)

- Led Flutter development of [Cashflow](#), a mobile money payments app live on iOS and Android, building the client from scratch: payment flows, QR scan-to-pay, camera workflows, deep linking, and biometric plus device-PIN authentication.
- Confirmed MTN MoMo and Orange Money transactions through a polling reconciliation flow, with Firestore holding live scan-to-pay state so payer and merchant see the result settle.
- Built [Paymatch](#), an international payment matching platform live on both stores, pairing a Flutter client with an Express.js and TypeScript backend on PostgreSQL, Redis caching, TypeORM, and dependency injection.
- Deployed backend services as Docker containers on a VPS, managed through Portainer behind an Nginx reverse proxy, with GitHub Actions deploying automatically from main.
- Wrote unit tests over the BLoC and Cubit layers, and built the Cashflow admin dashboard in Next.js with Tailwind CSS and Redux Toolkit.

Hebron Global

September 2024 – January 2025

Lead Mobile Engineer (Contract)

- Led mobile development of [H-Cab](#), shipping and maintaining both the Rider and Driver Flutter apps to Google Play and the App Store.
- Built the ride and navigation flow on Google Maps and Places, covering place search, geocoding, reverse geocoding, and routing, with the driver's position streaming live to the rider through the trip.
- Created a shared internal Flutter package of UI components, utilities, and core logic that removed duplication across both apps and let features land in parallel.
- Implemented secure authentication, in-app payments, and real-time trip updates over Firebase Cloud Messaging, then profiled and tuned performance ahead of the production releases.

Health Research Foundation

November 2021 – May 2026

Software Engineer (Part-time)

- Led frontend development across the Digital Innovation Hub in Flutter, React.js, and Next.js.
- Built StarMum, a maternal health platform backed by Firestore that gives expectant mothers digital health tools and guidance.
- Supported the DSI-Africa CHD AI project in Python, building the data preparation pipelines and the model training and evaluation workflows.

Camsol

September 2022 – August 2023

Full-Stack Developer

- Led Flutter development of Sagent Club, a jewellery discovery app on Firebase Authentication, Firestore, and a MongoDB catalogue of several thousand products.
- Tuned list rendering and image caching so the catalogue stayed responsive at that scale on both platforms.
- Built features for Acteevent, an unreleased mobile app, and contributed to Gasvisor, a React Native app, through feature work, UI, and bug fixes.
- Onboarded and guided teammates on architecture, state management, and working in the codebase.

PROJECTS

Lewah

2026 – Present

Education platform — personal project

- [Flutter app](#) live on Google Play and the App Store, with a [Next.js web platform](#), an admin dashboard, and Express.js backend services.
- Streams conversational AI feedback to students over Server-Sent Events using OpenRouter models.
- BLoC state management with offline-first local caching so the app stays usable in low-connectivity conditions, plus Socket.IO messaging.
- Express services built with IoC and dependency injection over PostgreSQL, Redis, and Firebase Cloud Messaging, with unit tests over the BLoC and Cubit layers.

EDUCATION

University of Buea

December 2023

Bachelor's Degree in Computer Engineering, Buea, Cameroon

- 3.5 / 4.0 GPA

TECHNICAL SKILLS

Mobile: Flutter, Dart, BLoC, Cubit, Clean Architecture, Dependency Injection, offline-first caching, React Native

Real-Time & Integration: WebSockets (Socket.IO), WebRTC, Server-Sent Events, REST APIs, Firestore listeners, Firebase Cloud Messaging, deep linking, biometric authentication

Backend: Node.js, Express.js, TypeScript, PostgreSQL, TypeORM, Redis, MongoDB, Firebase

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

Infrastructure & Tooling: Docker, Portainer, GitHub Actions, Nginx, VPS deployment, Git, Python

Maps & Location: Google Maps, Google Places, OpenStreetMap, OpenRouteService