Olateju Olamide Emmanuel

Mobile Engineer · React Native, Expo & Flutter · On-device ML

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SUMMARY

Mobile engineer who takes apps from idea to a tested, installable build on my own. I've built 20+ apps across health, fintech, faith, education and games, in React Native/Expo, Flutter and SwiftUI. I specialise in offline-first products for Nigerian users and in running ML models on the phone with ONNX Runtime. I won the MTN Pachipanda Challenge with LumiCare, where I built the mobile app. I write tests as I go (Jest, flutter_test, XCTest) and ship Android and iOS builds with EAS and Xcode.

SKILLS

Mobile	React Native, Expo (SDK 58, Router, EAS Build), Flutter/Dart, SwiftUI & WidgetKit, Reanimated, Gesture Handler, notifications, offline storage (SQLite, AsyncStorage)
On-device ML	ONNX Runtime (React Native), YOLOv8 segmentation, TensorFlow/Keras, PyTorch, scikit-learn, OpenCV
Backend	Node.js, Laravel (Sanctum), FastAPI, Flask, Supabase (Postgres, RLS), Firebase, REST API design
Quality & delivery	Jest, React Native Testing Library, flutter_test, XCTest, TypeScript strict, ESLint, Git/GitHub, EAS, Xcode, Gradle
Languages	TypeScript, JavaScript, Dart, Swift, Python, PHP

EXPERIENCE

Software Engineer · CSMTech (NYSC place of primary assignment) — Apr 2026 – Present

- Built a repair-marketplace mobile app end to end, designing and shipping 50+ screens across the customer and technician journeys.
- Work across design, debugging, testing and deployment on production systems with the wider engineering team.

Mobile Developer · Kairos Initiative — Oct 2025 – Aug 2026

- Architected Kairos, a Christian prayer companion (React Native, Expo, TypeScript): prayer journal, Scripture and scheduled reminders, offline-first.
- Built local notifications and background scheduling around daily prayer watches; onboarded 50+ early users in testing.

Frontend & Mobile Developer · MamaCare (startup) — Mar 2025 – Present

- Building a pregnancy and postpartum companion with React Native, Expo and Firebase: fetal development tracking, reminders, BMI and weekly guidance.

Mobile Developer Intern · HNG Internship — Oct 2025 – Dec 2025

- Shipped a Bible quiz game, a crypto wallet prototype and a wallpaper app in remote, agile teams with code review.

Frontend & Mobile Developer · Exodox — Jun 2025 – Mar 2026

- Built React and React Native interfaces across several products; reusable components and performance work.

Programming Instructor — Jun – Oct 2024
Midas-Tech Training Institute

- Taught React, JavaScript and Laravel to 20+ students through real projects.

Community Lead — Feb – Dec 2024
ATC Africa (remote)

- Ran workshops, code-alongs and mentoring for 50+ beginner developers.

SELECTED PROJECTS

CribDoc *React Native · Expo · ONNX Runtime · YOLOv8 · 29 tests* · GitHub
Offline newborn-jaundice screening from an eye photo, run on the phone. Faster pipeline (native resize, background model load, box-limited masks), referrals tracked to completion, parent/health-worker/admin roles, PDF case reports. Model training in progress; no result is ever simulated.

LumiCare *React Native · Expo · ONNX Runtime · SQLCipher* · **Winner, MTN Pachipanda Challenge** · GitHub
Offline-first newborn care app built with Favour Oni. I built the mobile app: guided eye-photo flow, on-device ONNX inference, encrypted records, PDF export and reminders.

AidNow *Expo · TypeScript · 41 tests* · GitHub
Offline first-aid guide: 17 illustrated emergencies, one-tap emergency call by country, seizure timer and a CPR metronome.

HowMarket *Expo · Supabase · Postgres RLS · 13 tests* · GitHub
Crowdsourced market prices with a consensus engine (recency weighting, outlier removal, trust scores) so one bad report can't move a price.

DogWalk *Expo · Laravel Sanctum API contract · 17 tests*
Two-sided dog-walking marketplace: full auth for walkers and owners, ID-check step, booking lifecycle and earnings.

Ankara Blocks · Ayo Arena · Periodica *Reanimated · minimax AI · 32 / 20 / 19 tests* · GitHub
Three games: an endless block puzzle with 50 levels and designs; Ayọ̀ (Oware) with an alpha-beta AI at three levels; and a periodic-table game with a “place it on the blank table” mode.

Kudi *Flutter · Dart · 16 tests* **Psalm** *SwiftUI · WidgetKit · XCTest*
Kudi turns Nigerian bank SMS alerts into a categorised budget, entirely on the phone. Psalm is a native iOS daily-scripture app with Home and Lock Screen widgets.

Hagah · Kairos · Scribe *React Native · Expo · Firebase · notifications*
Faith apps for meditation, prayer reminders and sermon notes; 70+ and 50+ early users for Hagah and Kairos ahead of public release.

EDUCATION

B.Sc. Computer Science · Achievers University, Owo · CGPA 4.13 / 5.00 2021 – 2025
President, Computer Science Department · SRC Lead · Final-year research: breast cancer detection from ultrasound (TensorFlow, OpenCV).

ADDITIONAL

English (fluent), Yoruba (native), French and Spanish (basic) · Interests: open source, Linux, writing on Medium, chess, poetry, faith and technology.