Damilare Peter Eniayewu

Lead Mobile Engineer | Flutter, iOS and Android | Mobile Security, Payments and AI

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SUMMARY

Lead mobile engineer with 9 years shipping Flutter, Swift/SwiftUI and Kotlin apps for payments, banking, health and enterprise clients across the Middle East, Africa, Europe and North America. Leads mobile at Leejam Sports, the Saudi Exchange-listed operator of Fitness Time (~2M downloads). Builds security in from the first commit, from certificate pinning and Keychain/Keystore-backed secrets to root, jailbreak, Frida and tamper detection, and has shipped card-present POS (EMV, NFC, ISO 8583), embedded SDKs and AI features to production.

SELECTED ACHIEVEMENTS

- Led two engineering teams and a DevOps function through the Fitness Time member app rebuild; crash rate below 1%.
- Saved $500K+ in one year by replacing paid third-party dependencies with in-house modules.
- Shipped banking POS software on Android terminals: EMV chip, NFC contactless, PIN-block encryption and ISO 8583.
- Published device_sentinel_security, an open-source Flutter SDK for root, jailbreak, Frida and tamper detection.

CORE SKILLS

Mobile: Flutter/Dart (expert), Swift/SwiftUI, Kotlin, Java, React Native; native iOS and Android modules and plugins

Architecture: Clean Architecture, BLoC, Riverpod, MVVM, modularization, design systems, SDK design and versioning, white-label apps, offline-first sync (SQLite/Drift, Hive/Isar)

Mobile Security: Certificate pinning, AES encryption, Keychain/Keystore, biometric authentication, secure token storage, root, jailbreak, Frida and tamper detection, OWASP Mobile Top 10, MASVS, PCI DSS, SOC 2

Payments & POS: EMV chip, NFC contactless, ISO 8583, PIN-block encryption, terminal SDKs, payment gateways, KYC/KYB (OCR, guided capture), open banking, wallets and cards, subscriptions and in-app purchases

Integrations & AI: HealthKit, Health Connect, BLE, NFC and QR access control, wearables and IoT, ML-assisted inspection, audio AI features, AI recommendations; Firebase, Mixpanel, Datadog, Sentry, Crashlytics

Delivery: GitHub Actions, Codemagic, Fastlane, App Store and Google Play releases, trunk-based development, feature flags, A/B testing

PROFESSIONAL EXPERIENCE

Product Architect & Mobile Engineering Lead — Jan 2024

Leejam Sports (Fitness Time) · Saudi Exchange-listed fitness operator in Saudi Arabia and the UAE · Riyadh, Saudi Arabia

- Lead mobile engineering for the Fitness Time member app (~2M downloads) and FT Trainers, the app personal trainers coach with; run two engineering teams and a DevOps function.
- Led the rebuild of the member app for iOS and Android in Flutter, Swift/SwiftUI and Kotlin; profiling, refactoring, SDK hygiene and Datadog observability brought the crash rate below 1%.
- Built a shared component library (design system, navigation, authentication flows, analytics) used across three apps, so each UI change ships once.
- Designed the access-control SDK with BLE and QR authentication for gym entry with the hardware and operations teams, plus NFC and QR check-in, offline-first sync, deep linking and biometric login.
- Wrote an in-house Flutter plugin over Apple HealthKit and Android Health Connect to control consent, and integrated wearables, gym equipment and IoT data.
- Shipped AI-assisted body assessments and personalized workout recommendations in FT Trainers, with schedules, progress tracking and staff shifts.
- Replaced paid third-party dependencies with in-house modules, saving $500K+ in year one; integrated payments, 2FA and body-composition APIs.

CTO & Product Architect — May 2025

Cede Technologies · Cross-border payments: B2B platform and the Voye consumer app · Calgary, Canada (Remote)

- Owned mobile architecture for Voye, a cross-border remittance and P2P FX app for iOS and Android launched in four countries within six months, on a payments platform that has processed $4B+.
- Took over an inherited React Native codebase, stabilized it for two months, then led the migration to Flutter with a shared design system, so new corridors became configuration.
- Designed mobile security with certificate pinning, anti-tampering and secure token management aligned to PCI DSS v4.0.1 and SOC 2; device-change detection and geo-fencing fed real-time transaction monitoring.

- Trained the engineering team on secure coding (July 2026): Flutter secure-storage limits, secrets in the binary, pinning and tamper resistance.
- Led a team of ~10 and set up GitHub Actions CI/CD, trunk-based development and feature flags for per-market releases.

Frontend Team Lead (Contract) — May 2025

Health Station · FastCare telehealth and HMIS hospital management software · Nigeria (Remote)

- Lead the frontend team across the Flutter and React Native patient and doctor apps and the React and Next.js web apps.
- Led the React Native to Flutter migration with no user disruption, added offline-first data handling for patients on unreliable connections, and own the dev and staging pipelines.

Senior Software Engineer (Contract) — Jul 2023

Access Bank Plc, via Oxygen X · QuickBucks digital lending · Lagos, Nigeria (Remote)

- Built Flutter and BLoC apps for Access Bank's QuickBucks digital lending platform across borrower, vendor and admin, with loan simulation and real-time credit decisioning against the bank's loan engines.
- Applied AES encryption, TLS certificate pinning and Keychain/Keystore-backed secrets; integrated merchant financing with deep links between partner apps.

Senior Mobile Engineer (Contract) — Apr 2024

Ubenwa Health · Nanni AI, an AI baby-cry translator used by 500K+ parents · Montreal, Canada (Remote)

- Extended Nanni AI (4M cries translated): real-time audio capture for cry analysis, routine tracking, subscriptions and token-based purchases with AI-generated avatars, and A/B tests.

Senior Mobile Engineer — Aug 2022

EsSolo Holdings · White-label wallets, cards and banking POS · London, UK (Remote)

- Built banking POS software for Android terminals in Kotlin and Java: EMV chip and NFC contactless reading, online PIN with PIN-block encryption and terminal key management, ISO 8583 authorizations and reversals, and vendor SDKs for reader, PIN pad and printer.
- Architected a white-label wallet and card platform: one Flutter codebase shipped as branded apps in five markets ($1M+ revenue), with tenant-isolated data, tokenized cards, KYC/KYB capture (OCR, edge detection) and multi-client CI/CD.

Mobile Engineer — Jun 2021

Mycover.ai · Embedded insurance · Lagos, Nigeria

- Owned the embedded-insurance SDK (native core wrapped for Flutter and React Native) end to end, and built ML-assisted inspection: guided vehicle and gadget capture feeding damage analysis, fraud checks and automated claims.

Software Developer — Aug 2020

Madesoftlogic · Software agency · Lagos, Nigeria

- Built Esopos, an offline-first cloud POS for supermarkets with local storage and sync, plus BoundlessPay, a crypto multi-wallet with Coinbase market data.

Web and Mobile Developer — Jan 2018

Goldenwave Innovations · Ibadan, Nigeria

- Delivered websites and mobile apps for individuals and small businesses; first production Flutter work.

CONTRACT EXPERIENCE

Software Developer (Contract) — 2023

Voisek · Miami, USA (Remote)

- Built the native mobile SDK for anti-vishing and anti-smishing, with background call and SMS checks.

Software Developer (Contract) — 2022

Twig · Dubai, UAE (Remote)

- Built automated savings on UAE bank accounts through the Lean open-banking SDK, with MVVM and Riverpod.

EDUCATION

BSc, Electronic and Electrical Engineering, Obafemi Awolowo University, Ile-Ife, Nigeria — 2015

CERTIFICATIONS

AWS Certified Solutions Architect – Associate (Amazon Web Services); IBM AI Engineering Professional Certificate (IBM, Coursera); System Design and Architecture (University of Alberta, Coursera); AI Agent Software Development (MasarTech)

OPEN SOURCE AND WRITING

- device_sentinel_security: open-source Flutter SDK for root, jailbreak, Frida and tamper detection (pub.dev)
- health_kit_wrapper: one Dart API over Apple HealthKit and Android Health Connect (pub.dev)