

# JEFFERY ADOLOR

Product Engineer • Mobile & Full-Stack • React Native Specialist

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## PROFESSIONAL SUMMARY

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Product Engineer with 4+ years building digital infrastructure for emerging markets across fintech, healthcare, agriculture, and education. I specialise in offline-first mobile systems, AI-powered product features — including study assistants, financial planning tools, and health support systems — and scalable React Native applications used by thousands of real users across Africa. Every app I've shipped is live on the App Store or Google Play.

### Key Expertise:

- Full product ownership — architecture, design systems, backend integration, CI/CD, and App Store deployment.
- Offline-first engineering — a rare, hard-won skill built for users in low-bandwidth, low-connectivity environments.
- AI product integration — shipped production AI features using OpenAI and Google Gemini across healthcare, fintech, and edtech apps.

## EXPERIENCE

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### Mobile / Product Engineer • Interswitch Group Limited

*Jul 2025 – Present*

- Made quality healthcare accessible to thousands of patients across Nigeria by building SmartHealth — a telemedicine platform enabling real-time video/audio consultations between doctors and patients using React Native and Stream SDK.
- Eliminated fragmented medical record-keeping for clinicians by architecting a comprehensive records system (diagnoses, medications, allergies, immunizations, family history) with real-time search, cutting documentation overhead for healthcare providers.
- Enabled reliable virtual consultations at scale by designing a custom microservice architecture for video/audio management, resolving Android audio compatibility issues that previously blocked patient-doctor communication.
- Reduced post-launch defect rate by over 50% by instrumenting analytics and crash monitoring (Firebase, Sentry), enabling weekly performance iteration.

### Mobile / Product Engineer • Geinny App (SCDHelper)

*Jan 2025 – Jun 2025*

- Improved daily disease management for thousands of Sickle Cell Disease patients across Nigeria by building a health tracking app (React Native/Expo) covering pain logging, medication adherence, vitals monitoring, and nutrition.
- Reduced patient isolation and improved crisis response by designing an AI-powered health assistant (Google Gemini API) with emergency quick-action modes, providing 24/7 personalised guidance when medical professionals are unavailable.
- Enabled commercial viability across African markets by implementing a multi-tier subscription system with Stripe and Paystack, feature-gating middleware, and multi-currency support.
- Increased user trust and retention by shipping biometric authentication (Face ID, Touch ID) alongside dark/light theming and accessibility-first component design.

### Lead Product / Mobile Engineer • SenjuLabs Technologies

*Dec 2023 – Aug 2024*

- Democratised exam preparation for tens of thousands of Nigerian students with unreliable internet access by leading the full build of CampusGenie — an offline-first AI-powered study platform covering 63+ JAMB/WAEC subjects.
- Reduced study friction and improved retention by integrating OpenAI API for intelligent question generation, adaptive study planning, and personalised exam recommendations tailored to each student's weak areas.
- Increased daily active usage by building a gamification system — streaks, challenge rooms, leaderboards — turning solo revision into a competitive, social experience.
- Drove continuous product improvement by deploying Mixpanel, Sentry, and LogRocket, iterating on UX weekly from real usage patterns.

## Mobile Engineer • Farmsmarter LTD

Apr 2024 – Jul 2025

- Brought modern farm management tools to smallholder farmers in remote, off-grid areas of Nigeria by building FarmSmarter with a full offline-first architecture (Realm), ensuring the app functions reliably where internet doesn't exist.
- Gave farmers precise digital control over their land by building custom GPS-powered field boundary mapping with Google Maps SDK and interactive polygon drawing — removing the need for expensive external surveying.
- Validated product-market fit with real farmers through field user testing sessions, refining UX across low-end Android devices common in rural Nigeria.

## Mobile Software Engineer • Vant App Africa

Jan 2023 – Feb 2024

- Improved financial inclusion for underbanked Nigerians by building core fintech features — bank-to-bank transfers, bill payments, savings management, and real-time transaction history — within a single consumer app.
- Helped users build better savings habits by integrating an AI-driven financial planning tool (OpenAI) that analyses income, spending, and bills to generate personalised savings plans automatically.

## Mobile Developer • Theragist Technologies LTD

Jan 2024 – Sep 2024

- Expanded access to mental healthcare by building a therapy platform (React Native) with real-time chat (Stream SDK), video/audio calls, and booking management for clients and therapists.
- Created 'Theragist Space' — a live audio room feature enabling group therapy sessions and community mental health discussions.

## Mobile Software Engineer • Eaglion Global Technologies

Oct 2022 – Mar 2023

- Removed the biggest barrier to cross-border luxury shopping for African consumers — foreign currency cards — by building Konix with automatic local currency conversion, enabling Nigerians to shop Adidas, Hermes, and Nike with Naira.
- Built the full commerce stack: currency conversion, cart management, order processing, and WebView storefronts for real-time brand interactions.

## Mobile Developer • Flashride Nigeria

Nov 2021 – Sep 2022

- Built both FlashRide (passenger) and FlashDriver (driver) apps from scratch — real-time ride requests, live driver tracking, Google Maps route optimisation, in-app messaging, and payment processing.
- Optimised both apps for performance and scalability across diverse device types, successfully deploying to the App Store and Google Play.

## SKILLS & TECHNOLOGIES

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<b>Mobile</b>	React Native, Expo SDK, OTA Updates (CodePush), App Store & Play Store deployment
<b>Product</b>	Feature architecture, user flow design, offline-first systems, PRD thinking
<b>AI / ML</b>	OpenAI API, Google Gemini API — production AI feature integration
<b>Languages</b>	TypeScript, JavaScript, HTML5, CSS3
<b>State Mgmt</b>	Redux Toolkit, TanStack Query / React Query, Context API
<b>Backend / API</b>	Node.js, Laravel, RESTful APIs, GraphQL, JWT, Firebase
<b>Payments</b>	Stripe, Paystack, multi-currency, webhook handling
<b>Real-time SDKs</b>	Stream Chat SDK, Stream Video SDK
<b>Maps &amp; GPS</b>	Google Maps SDK, GPS field mapping, polygon drawing
<b>Auth</b>	Firebase Auth, JWT, Biometrics (Face ID / Touch ID)
<b>Analytics</b>	Mixpanel, Firebase Analytics, Sentry, LogRocket
<b>DevOps / CI/CD</b>	GitHub Actions, Travis CI, Git, GitHub, Bitbucket
<b>Offline Storage</b>	Realm, AsyncStorage, SQLite

## NOTABLE PROJECTS

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### **SmartHealth – Telemedicine Platform** | [Live on App Store / Play Store →](#)

*Stack: React Native, Stream SDK, Laravel Microservices, Firebase Auth*

Telemedicine platform bringing remote healthcare access to thousands of patients across Nigeria — secure video/audio consultations, appointment scheduling, medical records management, and payment processing.

### **CampusGenie – AI Exam Prep Platform** | [Live on App Store / Play Store →](#)

*Stack: React Native, Expo, OpenAI, Firebase, Google Maps, TanStack Query*

Offline-first educational platform serving tens of thousands of Nigerian students — AI question generation, adaptive study planning, CBT centre mapping, and gamification across 63+ JAMB/WAEC subjects.

### **Vant App Africa – Fintech Platform** | [Live on App Store / Play Store →](#)

*Stack: React Native, Expo SDK, OpenAI, Firebase Auth*

Consumer fintech app improving financial inclusion for underbanked Nigerians — bank-to-bank transfers, bill payments, savings management, and an AI-driven financial planning tool that generates personalised savings plans from real spending data. Live on Google Play.

### **FlashRide – Urban Mobility** | [Live on App Store / Play Store →](#)

*Stack: React Native, Expo, Google Maps SDK, Firebase*

Dual ride-sharing platform (passenger + driver) enabling urban mobility in Nigeria with real-time tracking, route optimisation, in-app payments, and ratings. Live on iOS App Store and Google Play.

## **EDUCATION**

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### **B.Tech, Geophysics**

*Jan 2018 – Aug 2023*

Ondo State University of Science and Technology, Ondo State, Nigeria

## **CERTIFICATIONS**

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- Google Ads Certifications — Measurement, Shopping, Video, Analytics, Search, Display
  - JavaScript, React & Angular — Expert Level (Pluralsight, 2019)
  - HTML & CSS — Expert Level (Pluralsight, 2019)
  - Introduction to Computer Science (edX / Harvard, 2018)