

LAWSON ADESAYO

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PROFESSIONAL SUMMARY

Android engineering leader with 5+ years of experience building and shipping production applications at scale. Currently leading a 16-engineer mobile team delivering offline-first, multi-tenant agricultural applications serving 120,000+ farmers and 3,000+ field agents and supporting 3 businesses across Nigeria. Track record of platform migrations (XML to Compose, single-tenant to multi-tenant, single-module to multi-module), establishing engineering processes from scratch, and maintaining 99.8%+ crash-free rates across 12+ production releases with zero major incidents. Deep expertise in Kotlin, Jetpack Compose, MVVM/Clean Architecture, and offline-first systems.

SKILLS

Languages: Kotlin, Java, Python

Android: Jetpack Compose, MVVM, Clean Architecture, Multi-Module, Koin DI, WorkManager, Couchbase Lite, Room, Ktor, Retrofit, Coroutines/Flow, ExoPlayer, ML Kit, CameraX

Platform: Offline-First Architecture, Bidirectional Sync, Multi-Tenant Systems, CI/CD Performance Benchmarking, ISO 27001 Compliance

Tools: Android Studio, Git/GitHub, Jira, Detekt, Ktlint, R8, Firebase, UXCam, Postman, Figma

Leadership: Team Management (16 engineers), Sprint Planning, Code Review, Performance Management, Hiring, Technical Mentorship, Stakeholder Communication

WORK EXPERIENCE

Android Mobile Team Lead | Babban Gona — Lagos, Nigeria

January 2024 – Present

Agricultural technology company operating Africa's largest network of profitable smallholder farmers, serving 100,000+ farmers across northern Nigeria through mobile-first field operations.

Leadership & Team Development

- Built and lead a 16-engineer Android team (grown from 12), managing across 4 seniority levels with bi-weekly 1:1s, structured sprint cadences
- Hired and onboarded 4 engineers**, all retained 2+ years with consistent growth trajectories across senior, mid-level, and junior tiers
- Introduced **Developer of the Quarter** recognition programme celebrating code quality, collaboration, and engineering leading to measurably improved team cohesion and cross-functional support
- Established weekly Compose tutorials and sample app submissions to upskill the team during the platform migration from XML to Jetpack Compose upskilling the team in < 2 months to write production grade multimodular Compose code

Delivery & Engineering Process

- Shipped 12+ production releases of the AFaaS application with zero major production incidents** and a 99.8%+ crash-free rate sustained throughout 2026
- Designed and enforced a whiteboarding process for feature development all features technically reviewed for cross-module impact before implementation, eliminating a class of regression bugs where changes to shared code broke existing production features
- Centralised build deployments with a structured release strategy: fewer, higher-quality releases with extended testing cycles, significantly reducing critical bugs reaching production
- Established code review compliance, pair programming, and smart commit enforcement (every commit linked to a Jira ticket), transforming a no-process codebase into one with top-class code quality and zero incidents of unexplained app behaviour

Technical Architecture & Platform

- Led full platform migration** from a single-module XML monolith (Agric OS) to a multi-module Jetpack Compose application (AFaaS) containing 49 modules, 198K LOC, 100% Compose UI with zero XML layouts, Fragments, or LiveData remaining
- Architected **AFaaS** a multi-tenant, offline-first super app with config-driven sub-applications (farming, input distribution, clearance, and more). Architecture supports unlimited organisations and unlimited

programmes per tenant, enabling the business to scale from 1 agricultural programme (maize) to 5+ active programmes and onboard 2 external organisations, all without code changes

- Successfully deployed AFaaS application to power **120,000+ farmers and 3,000+ field agents** across 6 regions in northern Nigeria and 3 businesses with both external clients running operations successfully for 1+ year with zero incidence
- **Implemented CI/CD performance benchmarking pipeline** with automated checks on app start time, screen render time, and database fetch operations against baseline benchmarks. PRs that degrade performance below threshold are blocked from merging
- Drove **ISO 27001 compliance** across the mobile codebase with automated audit tooling integrated into CI to ensure ongoing compliance with information security standards

Software Engineer (Android) | Babban Gona — Lagos, Nigeria *January 2022 – December 2023*

- Designed and deployed an application facilitating the distribution of **\$5M in seed products to 100,000+ farmers** across 10 states, achieving 0% value loss
- Led the development of a GPS-based farm mapping feature enabling successful mapping of **60,000+ farms** for precision analytics
- Improved application sync architecture, reducing sync code by 300% and improving sync latency by 80%
- Led central application refactor improving overall responsiveness by 120% and reduced average large DB fetches from 2 minutes to ~5 seconds
- Led a cross-functional team of 5 to enhance the input collection application, contributing to a 99.9% loan recovery rate
- Created reusable XML-based UI components reducing UI development time for new features by 50%
- Developed version check feature to enforce updates, reducing outdated app usage by 98%

Android Native Intern (Finalist) | HNG Internship — Lagos, Nigeria *August 2021 – October 2021*

Africa's largest and most competitive developer bootcamp, fast-paced, elimination-based programme with 12,000+ participants per cohort across multiple engineering tracks.

- Emerged among the **top 2% of 12,000 developers** in a competitive Android engineering programme
- Integrated REST APIs using Retrofit and Kotlin Coroutines for a team messaging application (ZuriChat) — authentication, session management, and local persistence with Room

EDUCATION

Bachelor of Science in Mechanical Engineering — University of Lagos, Nigeria | 2014 – 2018 | 2nd Class Upper

Scholar, Agbami Medical & Engineering Professional Scholarship (2013–2018) | Scholar, MTNF Science & Technology Scholarship (2014–2018)