

IQBAL ADRIANSYAH ADRIAL

Lead iOS Engineer — Mobile Banking, Fintech & Applied AI

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PROFESSIONAL SUMMARY

Lead iOS Engineer with around 10 years in mobile development and 7+ years focused on high-traffic mobile banking super-apps serving millions of users. I lead cross-functional iOS teams end to end — from architecture and coding standards to CI/CD and release. Strong focus on modular architecture, runtime performance, app stability, and mobile security (RASP, jailbreak/root detection, certificate pinning). I set the engineering standards that let teams ship faster and safer. I'm also bringing AI into mobile — building RAG pipelines, MCP (Model Context Protocol) servers, on-device LLM integration in Xcode/iOS, and vector databases for long-term memory.

CORE SKILLS

- **Languages & UI:** Swift, SwiftUI, UIKit, Kotlin
- **Architecture:** Modular architecture, Clean Architecture, Swift Package Manager, CocoaPods, XcodeGen/xcconfig
- **CI/CD & Tooling:** Jenkins, Fastlane, Git, SwiftLint, Gradle
- **Mobile Security (DevSecOps):** RASP (IxGuard/DexGuard), jailbreak/root detection, certificate pinning, secure storage
- **AI / LLM Engineering:** RAG pipelines, MCP (Model Context Protocol) servers, on-device / local LLMs, Xcode/iOS LLM integration, vector databases (embeddings & memory)
- **Quality:** Unit testing, UI testing, snapshot testing, crash triage (Crashlytics, Dynatrace)
- **Cloud & Analytics:** AWS, GCP, Azure, Firebase, Appsflyer, A/B testing
- **Leadership:** Team leadership, code review, technical standards, cross-functional delivery

PROFESSIONAL EXPERIENCE

Bank Negara Indonesia (BNI)

Jakarta, Indonesia

Lead iOS Engineer (Frontend Team Lead) — Wondr by BNI

Nov 2023 – Present

- Lead iOS engineering for core banking journeys within Digital Banking Delivery.
- Established the iOS foundation architecture: workspace modularization, XcodeGen/xcconfig, SPM/CocoaPods structure.
- Defined coding standards and review checklists, enforced via SwiftLint and pre-merge CI gates.
- Own CI/CD pipelines (Jenkins + Fastlane): automated build, test, release, code signing, and versioning.
- Improved stability with release gates (unit/UI/smoke tests) and crash triage using Crashlytics and Dynatrace.
- Optimized cold-start and render performance through lazy loading, prefetching, and networking concurrency.
- Strengthened security with mobile RASP (IxGuard), jailbreak/root checks, certificate pinning, and secure storage.

Bank Mandiri

Jakarta, Indonesia

Living by Mandiri — financial super-app

Lead iOS Engineer (Frontend Team Lead)

May 2022 – Nov 2023

- Led the iOS team, owning execution quality, code reviews, and release readiness.
- Designed and rolled out a scalable iOS foundation architecture (feature modules, shared core kits, dependency rules).
- Authored iOS coding standards and review checklist; standardized SwiftLint rules and project templates.
- Built and maintained CI/CD (Jenkins + Fastlane) for nightly builds, TestFlight/UAT releases, and release tagging.

Cross-Platform Team Lead (iOS, Android, Web)

Aug 2021 – May 2022

- Led iOS, Android, and Angular (back office) teams, owning quality and release readiness across platforms.
- Unified cross-platform foundation architecture and coding standards (Swift/Kotlin/Angular) with shared templates.
- Set up and enforced static analysis (SwiftLint, ktlint, ESLint) and pre-commit hooks.
- Standardized multi-platform CI/CD (Jenkins, Fastlane/Gradle/NPM) including provisioning, signing, and artifacts.

iOS Developer

Jun 2019 – Aug 2021

- Built and maintained iOS features across payments, accounts, and cards.
- Improved stability and performance across critical user flows.

- Drove early modularization, unit/UI testing adoption, and initial Jenkins/Fastlane setup.

BTPN

Jakarta, Indonesia

Full Stack & Mobile Developer

May 2016 – Jun 2019

- Built a staffing-assignment web application on the OutSystems platform.
- Developed a timesheet mobile app with React Native.
- Maintained an existing iOS application.

FREELANCE / INDEPENDENT WORK

Freelance Software Developer

Remote / Jakarta, Indonesia

Part-time — alongside full-time roles

2016 – Present

- Deliver end-to-end web and mobile applications (iOS & Android) for independent clients.
- Handle full-cycle delivery, including infrastructure setup and deployment.
- Build AI/LLM tooling: RAG pipelines, MCP (Model Context Protocol) servers, and on-device LLM integration in Xcode/iOS.
- Use vector databases for embeddings and long-term memory in AI applications.

EDUCATION

BINUS University — Bachelor's Degree, Information Technology

CERTIFICATIONS

- [Cybersecurity Awareness: Cybersecurity Terminology](#) — LinkedIn Learning
- [Cybersecurity Awareness: Ransomware](#) — LinkedIn Learning