

NUR IRFAN PANGESTU

Lead Mobile Engineer | Senior iOS Developer

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PROFESSIONAL SUMMARY

Mobile engineering leader with over 10 years of experience spanning iOS, Android, and cross-platform development. Proven track record of leading mobile teams, architecting scalable solutions, and delivering high-impact products in media, fintech, and insurance domains. Initiated Kotlin Multiplatform (KMP) adoption, improved app store rating from 4.3 to 4.9, and maintained above 99% crash-free rate across releases. Experienced in building apps from scratch to production serving over 50,000 subscribers and over 1 million users.

SKILLS & COMPETENCIES

- **Languages & Frameworks:** Swift, SwiftUI, UIKit, Kotlin, Kotlin Multiplatform (KMP), Swift Concurrency, Combine, Ktor, Jetpack Compose.
- **Architecture & Software Engineering:** Clean Architecture, SOLID Principles, The Composable Architecture (TCA), MVVM, Modularization, Dependency Injection, SDK/Library Development, System Design, Design Patterns.
- **Platform Capabilities & Integrations:** StoreKit / In-App Purchase & Subscription, AVFoundation (TTS, Background Audio, Lock Screen Controls), Social Login (Apple, Google), Push Notifications, Deep Linking, WebKit/WKWebView, Google Maps API, RESTful APIs, Adaptive UI (iPhone/iPad) .
- **Data & Persistence:** Core Data, UserDefaults, Keychain Services, Caching Strategy.
- **Tools & Infrastructure:** Git, Xcode, XcodeGen, Fastlane, CI/CD, GitHub Actions (self-hosted runners), SwiftGen, Makefile, Swift Package Manager, CocoaPods, Gradle, Firebase (Analytics, Crashlytics), XCTest, XCUITest, SwiftLint, SonarQube, Semgrep (SAST), Code Coverage (xcov, slather, Kover), Detekt, TestFlight, App Store Connect, Google Play Console.
- **Leadership & Collaboration:** Technical Leadership, Engineering Cost Optimization, Team Mentoring, Code Review, Technical Design Review, Agile/Scrum, Release Management, Cross-functional Collaboration, Stakeholder Management, Technical Documentation, Hiring & Technical Interviewing.

WORK EXPERIENCE

PT Kompas Media Nusantara | Jakarta, Indonesia

Lead Mobile Engineer | January 2021 – July 2026

Leading the mobile engineering team for Kompas.id, Indonesia's premium digital news platform by PT Kompas Media Nusantara. Managing a team of 6 engineers (3 iOS, 3 Android) plus QA and product stakeholders.

- Improved App Store rating from 4.3 to 4.9 (over 4,400 reviews) and Play Store rating from 4.1 to 4.7 (over 20,700 reviews) through systematic crash resolution and UX improvements.
- Implemented StoreKit/In-App Purchase system supporting over 50,000 active subscribers generating recurring revenue.
- Maintained above 99% crash-free rate consistently across all releases.
- Owned end-to-end technical hiring process including interview design and final hiring decisions, ensuring high-quality team composition.
- Presented technical roadmaps and provided strategic input to General Manager on budget, timeline, and resource planning.
- Led architectural migration to Clean Architecture with modularization, resulting in improved code maintainability and faster feature delivery.
- Initiated and architected Kotlin Multiplatform (KMP) adoption to share business logic across iOS and Android, reducing projected future development time.
- Migrated CI/CD infrastructure from GitHub-hosted Linux and macOS runners to self-hosted runners, achieving significant cost reduction for the engineering organization.
- Collaborated with product and business teams on feature feasibility assessments, effort estimation, and competitive analysis prior to development.
- Established engineering best practices: code review standards, technical design review process, and automated quality gates (SwiftLint, Detekt, SonarQube, Semgrep SAST) .
- Delivered Kompas One feature under aggressive timeline through effective prioritization and technical decision-making.
- Mentored newly appointed engineering leaders on leadership practices and team management.
- Built Audio Berita (Text-to-Speech) feature using AVFoundation with background audio playback and lock screen controls.
- Collaborated cross-functionally with backend and design teams to align on technical requirements and deliver cohesive product experiences.

- Built and maintained SDK/library modules consumed by other teams within the organization.
- Implemented adaptive UI supporting both iPhone and iPad form factors.

Indivara Group | Jakarta, Indonesia

Lead iOS Developer | January 2020 – December 2020

Led iOS development at an IT consulting firm, building mobile products for enterprise clients including Astra International.

- Built AstraPay (Astra International's digital wallet) iOS application from scratch to production deployment, now serving over 1 million users nationwide.
- Developed Wallet of Indivara (WOI) electronic money application with secure transaction handling.
- Drove team-wide migration from SVN to Git and introduced GitHub-based workflow with CI/CD pipeline, improving development velocity and collaboration across all developers.
- Mentored designers (fresh graduates) on mobile UI/UX best practices to improve design-to-development handoff quality.
- Implemented secure authentication flows and payment processing for fintech compliance, velocity, and code quality.

PT Adarma Pratama Endaru | Jakarta, Indonesia

iOS & Android Developer | April 2019 – December 2019

Developed mobile banking and fintech applications. Transitioned from Android to iOS development due to scarcity of iOS engineers, handling both platforms simultaneously.

- Developed SUMUT Mobile banking application (Bank Sumut) with secure financial transactions, bill payments, and fund transfers
- Built Pede Ponsel Duit and IMKas mobile applications
- Mentored junior Android developers on programming logic and mobile development fundamentals
- Took on iOS development responsibilities to fill critical resource gap, demonstrating rapid adaptability across platforms

PT Qorser Technology | Bandung, Indonesia

Android Developer | October 2017 – March 2019

First role in IT industry, developing Android applications as a vendor for financial services clients.

- Developed features for Kreditplus Mobile application (KB Finansia Multi Finance), a credit and lending platform handling loan applications and payment processing.

- Built Kreditplus eForm application for streamlined digital loan submission.
- Received direct hire offer from client upon contract completion, validating delivery quality.

Geeksfarm | Bandung, Indonesia

Assistant Trainer – Android Development | August 2017 – September 2017

First role in IT industry, developing Android applications as a vendor for financial services clients.

- Completed the bootcamp syllabus ahead of schedule within the first 2 weeks.
- Promoted to assistant trainer role to mentor other bootcamp participants on Java/Android fundamentals.

PT Telkom Akses | Bandung, Indonesia

IT Staff & Android Developer | January 2013 – July 2017

Started career in IT operations at a telecommunications company. Took on Android development responsibilities in the last 2 years while pursuing a Computer Science degree.

- Managed IT infrastructure and support operations for the telecommunications network.
- Developed internal Android applications for company use, handling the full development cycle independently.
- Gained foundational experience in networking, system administration, and technical problem-solving.

EDUCATION

- **Bachelor of Computer Science (S.Kom)** – STMIK LPKIA Bandung (2014 – 2018)
GPA: 3.56/4.00
- **Vocational Degree in Telecommunication Engineering** – SMK Telkom Sandhy Putra Jakarta (2010 – 2013)

KEY ACHIEVEMENTS

- Improved Kompas.id App Store rating from 4.3 to 4.9 and Play Store rating to 4.7 (Top News app in Indonesia)
- Maintained above 99% crash-free rate across 5+ years of continuous releases
- Built AstraPay iOS app from zero to production — now serving over 1 million users
- Initiated KMP adoption for cross-platform code sharing at Kompas.id

- Migrated CI/CD to self-hosted runners, delivering significant infrastructure cost savings
- Managed In-App Purchase system supporting over 50,000 paying subscribers
- Owned end-to-end technical hiring with final decision authority, building and maintaining high-performing mobile teams

LANGUAGES

- Indonesian (Native)
- English (Professional Working Proficiency) — Currently enrolled in Wall Street English