

Didik Maulana Ardiansyah

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PROFESSIONAL EXPERIENCE

HomePay • Software Engineer

Remote · Mar 2026 – Present

Singapore renovation escrow payment platform, MAS-regulated with funds custodied at DBS Bank, 2,000+ projects protected

- Unified two React Native apps that had **diverged by 2,300+ commits** into a **pnpm and Turborepo monorepo** with shared UI and core packages, ending the hand-copying of **714 source files** maintained in duplicate.
- Upgraded the app from **React Native 0.71 to 0.77** (Expo 48 to 52, Reanimated 2 to 3), unblocking Android **16 KB page size** compliance and keeping the app shippable on Play Store.
- Drove a **14-item performance audit** across both apps, replacing a **256-branch** icon lookup chain with an O(1) memoized map and virtualizing a feed that rendered **1,700-line cards** inside a ScrollView.
- Sustained **99%+ crash-free sessions** across iOS and Android while closing **20+ production defects** from a reliability audit, spanning crashes, memory leaks, and unguarded writes on the payout path, instrumented with **Sentry and Datadog**.

Willowmore • Software Engineer

Remote · Dec 2024 – Mar 2026

Singapore IoT company securing critical infrastructure, Series A+ backed by SEEDS Capital (Enterprise Singapore)

- Delivered features across a **cross-platform Flutter** app and a **native iOS** enterprise client, including **geo-restricted BLE keys** and device **time-tampering detection** that closed a credential-bypass path.
- Built **offline-capable** lock operations and maintenance checklists that queue in local **Hive** storage and reconcile on reconnect, so field technicians keep working on sites with poor or no connectivity.
- Added **liveness face detection** with **Google ML Kit** and biometric gating to the access flow, hardening identity verification against spoofed credentials.
- Automated releases end to end on **GitLab CI, Codemagic, and Fastlane** for both iOS and Android, replacing manual builds and code signing with automated pipelines.

Gravel • Senior iOS Engineer

Jakarta, Indonesia · Oct 2022 – Nov 2024

Indonesian construction marketplace backed by NEA and East Ventures (\$14M raised), 1.7M workers on platform

- Architected and delivered the **Gravel** iOS marketplace and **SalamChat** consumer chat app, serving **100K+ monthly active users** across **26 provinces** on a platform that completed **12,000+ construction projects**.
- Led a **4-engineer iOS team** (2 senior, 2 junior) across two products, setting the code review and architecture standards that kept both apps consistent, and growing both juniors to independent ownership.
- Built the **iOS design system** from scratch and shipped it as a **versioned private CocoaPod** consumed by **4+ apps** across separate repos, replacing copy-pasted components with one upgradeable dependency.
- Shipped SalamChat's realtime messaging on **MQTT** with **Realm** for local persistence and multi-device sync, rendering chat with **Texture (AsyncDisplayKit)** for **asynchronous rendering** and a consistently smooth chat experience.

HappyFresh • iOS Engineer

Remote · Jun 2022 – Sep 2022

Southeast Asia's leading online grocery platform backed by Naver and Vertex Ventures, \$97M raised

- Cut transaction abandonment **20%** by shortening the checkout flow, validated with **A/B tests** on an app with **5M+ installs**.
- Introduced unit testing to the iOS codebase with **Quick and Nimble**, establishing the team's first automated test suite and a BDD pattern for new code.

Mamikos • Mobile Software Engineer (Android & iOS)

Yogyakarta, Indonesia · Aug 2019 – Jun 2022

Indonesia's largest boarding house rental marketplace, 7M monthly active users, backed by SBVA and Kakao Ventures

- Migrated the Android app to **Android App Bundle**, cutting download size **40%** (60 MB to 36 MB) and unlocking dynamic feature delivery.
- Grew engineering test culture to **90% unit** and **70% UI coverage** across a **978-file** codebase backed by **300+ test files**, and introduced **SwiftLint and Danger Swift** to automate review checks.
- Created a shared design system for native **Kotlin and Swift** on a common token foundation with **41 components**, cutting UI development time **50%**.

ACHIEVEMENTS & EDUCATION

Engineer of the Quarter, Mamikos (2021), for taking on **iOS delivery on top of an Android role** and cutting the app's download size

External Reviewer at Dicoding Indonesia (2020–2022): **540+** submissions reviewed at **4.9** rating, plus **100+ developers** mentored across IDCamp, Lintasarta DigiSchool, and Bekraf programs

BINUS University, Bachelor of Information Systems

Expected 2027

Skills: Swift, Kotlin, TypeScript, JavaScript, SwiftUI, UIKit, Flutter, React Native, Expo, React, Node.js, SQL, Firebase, Supabase, Fastlane, Codemagic, GitLab CI, Docker, Git, Sentry, Datadog, Mixpanel, Figma