

Sittiporn Suksapan

SENIOR MOBILE DEVELOPER — DEEP EXPERTISE



Pathum Thani, Thailand · +66 807 038510 · chanzaloveza@gmail.com ·
sittiporn-suks.com

This document goes deep into mobile engineering expertise — Native Android, Native iOS, and Cross-Platform (Flutter) — covering architecture design, SDK development, Digital ID / eKYC, camera systems, performance optimization, and real-world technical problem solving over 10+ years.

COMPETENCY MAP

NATIVE ANDROID

- Kotlin / Java — expert-level use across multiple production projects
- Jetpack Compose — declarative UI in enterprise projects (GMS Toyota)
- Android SDK, CameraX, Room, WorkManager
- Play Store release, ProGuard, signing & versioning

NATIVE IOS

- SwiftUI — UI development for the GMS Toyota project
- App Store review & release process
- Cross-platform UX alignment from a single spec

CROSS-PLATFORM FLUTTER

- Dart / Flutter — one codebase for both platforms (EleXA)
- Platform Channels — bridging native capabilities into Flutter
- State management & large project structure

CROSS-TRACK FOUNDATIONS

- Architecture: MVC, MVP, MVVM, Clean Architecture, Multi-module
- RESTful API integration, JSON, authentication & token flows
- Digital ID / NDID, eKYC, Camera, Biometric security

DEEP-DIVE: NATIVE ANDROID

ARCHITECTURE IN PRODUCTION

- MVVM + Clean Architecture separating presentation / domain / data
- Multi-module for build-time reduction and feature separation
- Dependency Injection: Hilt / Koin depending on project scale and team
- Pattern chosen by context — MVP to extend legacy Java, MVVM/Clean for greenfield

JETPACK & MODERN ANDROID

- Jetpack Compose for new screens + interop with existing XML
- CameraX — ID card capture / face scanning in eKYC flows
- Room, WorkManager, ViewModel, LiveData / Flow, Navigation
- Coroutines + Flow for asynchronous work

DEEP-DIVE: NATIVE IOS

SWIFTUI

- iOS app development with SwiftUI in the GMS Toyota project (Sirisoft)
- UI designed to match the paired Android release for simultaneous delivery

DISTRIBUTION PROCESS

- App Store Connect, provisioning, TestFlight and review handling
- Assets / metadata / privacy declarations prepared every release

DEEP-DIVE: CROSS-PLATFORM (FLUTTER)

PRODUCTION USAGE

- EleXA (Sirisoft) — core features built with Flutter
- Zeeme / FishingPIPO (myHR) — mobile features on Flutter

TECHNICAL STRENGTHS

- Platform Channels to Kotlin/Swift native code when plugins fall short
- Deciding cross-platform vs native per feature — backed by doing both

SDK & LIBRARY DEVELOPMENT

MIDDLEWARE SDK FOR NDID (AIS)

- Designed and built a middleware SDK wrapping NDID (Digital ID) for internal apps to consume instantly
- API designed for fast integration by other teams, with versioning and documentation

ANDROID EKYC SDK (AIS)

- Single-package SDK for ID card capture (front/back) + face-scan verification
- Camera, permissions, device fragmentation and error handling handled inside the SDK

DIGITAL ID & SECURITY

NDID / eKYC

- Hands-on with Thailand's standard NDID digital identity flow (AIS)
- End-to-end eKYC: card capture → face matching → source verification

SECURITY PRACTICES

- Biometric authentication (Android Keystore / Face ID)
- Secure storage for tokens / PII and safe session handling
- Certificate pinning and protection against traffic interception

PERFORMANCE OPTIMIZATION & CASE STUDIES

AREAS OF FOCUS

- Startup time, ANR & crash reduction, memory leak analysis
- Network: caching, interceptors, retry/backoff for unstable networks

REPRESENTATIVE CASE STUDIES

- eKYC across device fleet: handling camera variance so card capture succeeds in poor light/hardware
- Developer-friendly SDK: hiding all NDID complexity behind one API, cutting other teams' integration time
- Legacy systems: analyzing, fixing and stabilizing large production apps (Brinks)

FEATURED PROJECTS

GOMO (AIS)

NATIVE ANDROID AIS customer telco app

- UI implementation, production issue analysis, UX/UI + backend coordination in live releases

NDID Middleware SDK + eKYC SDK (AIS)

NATIVE ANDROID Enterprise-grade SDKs

- Outcome: multiple internal apps consume identity/KYC flows through one SDK instead of building their own

GMS Toyota (Sirisoft)

ANDROID **IOS** Dealership back-office platform

- Android (Java/Kotlin/Compose) and iOS (SwiftUI) in parallel; EleXA on Flutter with Laravel backend

Zeeme / FishingPIPO (myHR)

CROSS-PLATFORM Niche audience apps + face-scan workflow

- Java/Kotlin + Flutter, REST APIs, and face-scan for Marine Department-related operations

COLLABORATION

- Agile / Scrum with Jira, Git flow (Sourcetree / Git command / GitHub Desktop)
- Git workflow management across internal teams + vendors (AIS)

OWNERSHIP

- Own the full cycle: requirements → development → release → production support
- Clear communication across business / UX / backend / QA