RAMI MELHEM

Senior Android Developer | Flutter Developer | Mobile Solutions Architect

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PROFESSIONAL SUMMARY

Senior Android Developer, Flutter Developer, and Mobile Solutions Architect with 5+ years building scalable mobile solutions for telecom, eSIM, fintech, e-commerce, media streaming, and healthcare. Expert in native Android (Kotlin, Java, Jetpack Compose, XML) and cross-platform Flutter/Dart development. Strong in software architecture (Clean Architecture, MVVM, MVI, modular design), API integration (REST, GraphQL), database management (Room, SQLite, Firebase), and mobile security. Proven success optimizing performance by 40%, increasing retention by 35%, and driving 20% revenue growth through strategic feature development and monetization.

PROFESSIONAL EXPERIENCE

Senior Android Developer – InMobiles Holding S.A.L

November 2022 – Present

- Architected and developed 10+ production Android applications using Kotlin, Java, Jetpack Compose, XML, and Clean Architecture for telecom, eSIM provisioning, OTT media streaming, automotive, and fintech sectors serving 500K+ users.
- Designed scalable mobile solutions implementing MVVM, MVI, Repository Pattern, and modular architecture with dependency injection, reactive programming (Coroutines, Flow), and offline-first capabilities.
- Optimized application performance by 40% through efficient memory management, background processing, network optimization, intelligent caching, and database query optimization.
- Integrated third-party services including Firebase (FCM push notifications, Analytics, Crashlytics), Google Maps SDK, payment gateways (Stripe, Google Pay), biometric authentication, and social login (OAuth 2.0).
- Implemented monetization strategies with Google Play Billing (subscriptions, in-app purchases), AdMob integration, and loyalty programs, driving 20% revenue increase and 35% user retention improvement.
- Led XML-to-Jetpack Compose migration within tight deadline, modernizing UI/UX with Material Design principles, responsive layouts, and accessibility compliance while maintaining backwards compatibility.

Android Developer & Flutter Developer – Freelance / Remote

July 2020 – November 2022

- Engineered food delivery mobile app using Kotlin, Android SDK, and RESTful API integration with features including push notifications, secure payment processing,

user authentication (Firebase Auth, JWT), and local data persistence.

- Enhanced healthcare mobile application by implementing new features (claims processing, policy management, document scanning with ML Kit, PDF generation), improving app stability, and building offline-first architecture with Room database synchronization.
- Modernized legacy municipality application through complete AndroidX migration, code refactoring, performance optimization, and implementing modern Android best practices with dependency injection and reactive patterns.
- Developed cross-platform Flutter applications using Dart with state management (Provider, Riverpod), HTTP networking, platform channels for native features, and responsive UI design for iOS and Android.

EDUCATION

Bachelor of Science in Computer Communication Engineering – AUL University
October 2020 – February 2025

TECHNICAL SKILLS

Languages: Kotlin, Java, Dart, JavaScript, SQL
Mobile Development: Android SDK, Jetpack Compose, Compose Multiplatform, Flutter, Jetpack Libraries (Navigation, ViewModel, LiveData, WorkManager, DataStore, Paging)
Architecture & Patterns: Clean Architecture, MVVM, MVI, MVP, Repository Pattern, Dependency Injection (Koin, Dagger, Hilt)
UI/UX: Material Design, XML Layouts, Responsive Design, Dark Mode, Accessibility
Backend & APIs: Retrofit, RESTful APIs, GraphQL, JSON, SignalR
Database: Room, SQLite, SharedPreferences, DataStore, Firebase Realtime Database, Firestore
Async Programming: Coroutines, Flow, StateFlow, LiveData
Firebase: Authentication, Cloud Messaging (FCM), Analytics, Crashlytics, Remote Config
Payment & Monetization: Google Play Billing, Stripe, In-App Purchases, AdMob
Maps & Location: Google Maps SDK, Places API, Location Services
Media: ExoPlayer, CameraX, Image Processing
Tools: Android Studio, Git, GitHub, Gradle, Google Play Console, JIRA
Flutter: Dart, Provider, Riverpod, HTTP package
Other: Agile/Scrum, Material Design, Deep Linking, Push Notifications, OAuth 2.0

LANGUAGES

Arabic (Native), English (Professional Working Proficiency), French (Basic)