




# Ali Ahmed Ali Fayed

## Senior iOS Engineer

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### PROFESSIONAL SUMMARY

Senior iOS Engineer with 5+ years of experience designing, developing, and shipping high-traffic mobile applications for fintech, banking, e-commerce, and government sectors. Proven track record building secure, scalable apps serving 1M+ users in production. Expert in Swift, SwiftUI, SwiftData, UIKit, Combine, RxSwift, and Clean Architecture, with deep experience in biometric authentication, App Intents, and digital payment integrations. Solo developer and publisher of Finlytix on the Apple App Store — a premium personal finance app for the MENA & International market featuring an AI assistant in Egyptian Arabic dialect powered by Apple Foundation Models, Whisper, and Groq. Recognized for cross-functional collaboration, modern Swift adoption, and a commitment to shipping production-grade applications that drive business outcomes.

### TECHNICAL SKILLS

**Languages** Swift 6, Objective-C, Modern Concurrency (async/await), Actors, Combine

**UI Frameworks** SwiftUI, UIKit, SwiftData, Auto Layout, Core Animation, MapKit, WidgetKit

**Architecture & Patterns** Clean Architecture, MVVM, MVP, VIP, Redux, SOLID, OOP, Design Patterns, Dependency Injection (Swinject), RxSwift

**AI & LLM** Claude Code, Codex, Gemini, Opencode

**Apple Platform Integrations** App Intents, Siri Shortcuts, StoreKit, CryptoKit, iCloud / CloudKit, Push Notifications

**Networking & Persistence** REST APIs, JSON, URLSession, Codable, Core Data, Realm, SwiftData

**Backend & Cloud** Supabase (Postgres, Auth, Storage), Firebase (Auth, Firestore, Crashlytics, Analytics), Cloudflare Workers

**Monetization & Engagement** RevenueCat, In-App Purchases (IAP), Subscriptions, AdMob, OneSignal

**Localization** Arabic/English Bilingual UI, RTL/LTR Layout, iOS Localization (String Catalogs)

**Testing & Tooling** XCTest, TDD, Xcode, Git, GitHub, SPM, CocoaPods, Fastlane, CI/CD, App Store Connect, TestFlight

**Methodologies & Domains** Agile, Fintech, Digital Banking, Mobile Payments, Personal Finance, Government Services

### PROFESSIONAL EXPERIENCE

**Banque Misr** — *Senior iOS Engineer*

Cairo, Egypt (Hybrid) • April 2023 – Present

- Develop and maintain BMOOnline Banking — a flagship retail banking app serving 1M+ active users — collaborating with a multinational team across product, design, backend, and security.
- Architected and shipped features using UIKit, SwiftUI, RxSwift, Combine, Swinject (DI), and Clean Architecture, ensuring modular and testable code.
- Implemented Biometric Authentication (Face ID and Touch ID) via the LocalAuthentication framework, strengthening account security and reducing friction at login.
- Integrated and built Device Binding using CryptoKit, expanding secure digital payment coverage.
- Delivered the User Digital Signature flow, enabling legally binding in-app document approvals.
- Shipped the card-less ATM Withdrawal feature, enabling cash transactions without a physical card.
- Built BM VIP and BM Youth segment experiences, personalizing the banking flow for distinct customer groups.
- Developed SoftToken Activation, hardening transaction verification with on-device 2FA.
- Designed and shipped a Self-Registration onboarding flow, streamlining new-customer acquisition.
- Authored comprehensive XCTest unit tests, increasing coverage and measurably reducing production bugs and regressions; consumed secured REST APIs with JSON and integrated Firebase Crashlytics for production observability.
- Served on the production support squad for 1+ year as on-call iOS engineer, debugging live production issues, deploying same-day hot fixes, and providing direct user-impact mitigation under strict banking SLAs.

## Fixed Solutions — iOS Engineer

Cairo, Egypt (Remote) • January 2021 – April 2023

- Developed and enhanced the Egyptian Government Electricity Services (EEHC) app, enabling citizens to pay bills and access utility services from mobile — surpassed 100K+ App Store downloads (built with UIKit and the Redux pattern for predictable state management).
- Designed and implemented core features from scratch, including authentication flow, profile screens, dynamic forms, and reusable UI components.
- Shipped the Visitors app for museums and religious sites in KSA with localization for 7 languages, exceeding 200K+ downloads on the App Store (MVVM, UIKit, SwiftUI).
- Refactored 7 production screens from UIKit to SwiftUI as part of a phased migration, improving maintainability and accelerating future iteration.
- Developed an in-app Visitor Chatbot from scratch in SwiftUI, integrating with a REST-based conversational backend.
- Contributed to the Haramain app, providing essential services to visitors during their journey to the Grand Mosque of Mecca (KSA).

## PUBLISHED APPS ON THE APP STORE

**Finlytix** — Premium Personal Finance App • Solo Developer & Owner

[Finlytix App Store](#) [Finlytix Website](#)

- Designed, developed, and shipped Finlytix end-to-end as solo developer — a premium personal finance app for Egyptian and MENA users with a dark-luxury visual identity, featuring net worth tracking, live gold/currency/crypto prices in EGP, budgeting, and subscription/commitment tracking.
- Built with SwiftUI and SwiftData, designed a fully bilingual Arabic/English (RTL/LTR) interface optimized for the MENA & International market.
- Engineered Finny, an in-app AI assistant fluent in Egyptian Arabic dialect — combining Apple Foundation Models (on-device), Whisper API for speech-to-text, and Groq API for fast LLM inference.
- Implemented SMS bank transaction parsing for major Egyptian banks (CIB, NBE, Banque Misr), automatically extracting and categorizing user transactions to eliminate manual entry.
- Shipped 14 App Intent structs enabling deep Siri and iOS Shortcuts integration, allowing users to log daily transactions and query balances via voice and automation.
- Built the monetization layer with StoreKit 2 and RevenueCat, supporting monthly/yearly subscriptions and the Finlytix V lifetime IAP tier with a distinct platinum visual identity.
- Architected the backend with Supabase (Postgres, Auth, Storage) and a Cloudflare Worker for serverless quota enforcement; integrated iCloud sync, OneSignal push notifications, and AdMob, and managed the full App Store Connect submission, TestFlight beta, and App Review lifecycle.

## EDUCATION

**Mansoura University** — Bachelor's of Mechatronics Engineering

Mansoura, Egypt • 2015 – 2020

## LANGUAGES

**English** Professional Working Proficiency

**Arabic** Native