

ANDREW AYAD WADIE

Senior Mobile Application Engineer | Flutter Developer | Dart

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PROFESSIONAL SUMMARY

Senior Mobile Application Engineer with **5+ years** of experience designing, building, and shipping **11+ production Flutter applications** on Google Play and the App Store for government, telecom, fintech-adjacent payments, and booking domains. Expert in **Clean Architecture, Bloc/Cubit state management, and performance optimization** at enterprise scale, including mission-critical systems for the Saudi Ministry of Environment and Ministry of Agriculture. Pioneer of **AI-assisted development workflows** (Claude Code, OpenAI Codex, spec-driven development) that cut feature delivery and code review time by ~30%. Proven end-to-end ownership: architecture, CI/CD, store deployment, and post-release maintenance for apps serving thousands of active users.

CORE COMPETENCIES

Cross-Platform Mobile Development • Flutter & Dart • Clean Architecture • SOLID Principles • State Management (Bloc, Cubit, Provider, GetX) • RESTful API Integration • CI/CD Pipelines • Performance Optimization • Unit & Widget Testing • Agile/Scrum • Code Review & Mentoring • App Store & Google Play Release Management • AI-Assisted Software Development

PROFESSIONAL EXPERIENCE

Noor Data Network — Sheikh Zayed, Giza, Egypt

Nov 2022 – Present

Mobile Application Engineer (Flutter)

- Spearheaded development of **3 production Flutter applications** across telecom self-service, restaurant reservations, and sports-court booking, serving **thousands of monthly active users** with in-app payment integration.
- Re-architected legacy codebases to **Clean Architecture with Bloc/Cubit**, eliminating recurring performance bottlenecks and reducing UI jank and app startup time on low-end Android devices.
- Introduced **AI-assisted development workflows** (Claude Code, OpenAI Codex, GitHub Spec Kit) and authored reusable AI agent skills adopted by the team, **cutting feature development and code review cycles by ~30%**.
- Owned the full release lifecycle — versioning, staged rollouts, crash monitoring, and hotfixes — for live production apps on **Google Play and the Apple App Store**.
- Partnered with product managers and UI/UX designers in Agile sprints to translate business requirements into shipped features, improving alignment between roadmap and releases.
- **Key products:** Noor App (telecom bill payment & quota management), Zabatnee (restaurant/activity reservations with in-app payments), IPadel (padel court booking with integrated payments).

WABC Group — Heliopolis, Cairo, Egypt

Jan 2022 – Nov 2022

Mobile Application Engineer (Flutter)

- Delivered **4 mission-critical government applications** for the **Saudi Ministry of Environment and Ministry of Agriculture**, featuring real-time data synchronization, geolocation services, and secure governmental API integration.
- Met strict government compliance standards and tight deadlines through modular development, proactive stakeholder communication, and rigorous QA cycles.
- Optimized state management with GetX, shipping high-performance apps with minimal memory leaks across live inspection and audit workflows.
- **Key products:** Livestock App (location-based livestock tracking & inspection), Environmental Reporting App (citizen issue reporting with media attachments), Quality Management App (real-time audit logging), Arganzwina (e-commerce with integrated payments).

Innovation Agency — Dokki, Giza, Egypt Feb 2021 – Jan 2022

Mobile Application Engineer (Flutter)

- Led **full-lifecycle development of 3 production apps** — from requirements analysis and UI prototyping to testing, deployment, and client handover.
- Integrated **Firebase (Firestore, Realtime Database, Cloud Functions, FCM) and Google ML Kit** to deliver real-time features, push notifications, and on-device intelligence.
- Introduced modular code practices and unit tests to existing codebases, improving reliability and reusability across projects.
- Managed direct client communication, translating business needs into technical solutions and reducing rework during acceptance.
- **Key products:** El Imam Mady Abo El Azaym University App (attendance, grades, notifications), Elmenofy (e-commerce with real-time location tracking), Matrix Auction App (dynamic bidding with secure payments).

INDEPENDENT PRODUCTS & SIDE PROJECTS

Glowy — Wallpaper App | *Founder & Solo Developer*

- Designed, built, and launched a complete consumer product end-to-end: **Flutter app (Clean Architecture, Cubit) + Node.js/Fastify backend + Cloudflare R2 storage**, published on Google Play.
- Implemented a full monetization stack — **RevenueCat subscriptions, AdMob rewarded and interstitial ads** — and managed the complete store submission lifecycle including closed testing and production review.

ClinicQ — Clinic Management Platform | *Full-Stack Developer*

- Built and deployed a full-stack clinic management web application with **Next.js and Supabase** (PostgreSQL, Auth, Vault-managed JWT), deployed to production on Vercel with environment-managed configuration and database migrations.

TECHNICAL SKILLS

Languages & Frameworks: Dart, Flutter (Mobile, Web, Desktop), Native Android, JavaScript/TypeScript (Node.js, Next.js)

State Management: Bloc, Cubit, Provider, GetX

Architecture: Clean Architecture, MVVM, SOLID, Dependency Injection (GetIt, Injectable), Feature-First Structure, Code Generation (Freezed, json_serializable)

Networking & Data: RESTful APIs (Dio, Retrofit), Firebase (Firestore, Realtime DB, Cloud Functions, Auth, FCM), Supabase, Hive, SQLite (sqlite)

Testing: Unit Testing, Widget Testing, bloc_test, mocktail

DevOps & Delivery: Git, GitHub Actions CI/CD, Firebase App Distribution, Flutter Flavors, App Store & Google Play deployment, Crash Monitoring

AI-Assisted Development: Claude Code, OpenAI Codex, GitHub Spec Kit (spec-driven development), custom AI agent skills, LLM API integration (Claude API, OpenAI API), Google ML Kit

Mobile Platform: Background Services, Push Notifications, Google Maps SDK, Geolocation, In-App Purchases (RevenueCat), AdMob, GoRouter / Navigator 2.0

Tools & Collaboration: Figma, FlutterFlow, Jira, Agile/Scrum, Code Review

EDUCATION

Bachelor of Computers and Informatics, Computer Science

2019

Faculty of Computers and Informatics, Zagazig University, Egypt

Graduation Project: Optical Mark Recognition — Grade: Excellent

LANGUAGES

Arabic: Native **English:** Professional Working Proficiency