Ziad Hassan Ahmed | Flutter & Mobile Engineer

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SUMMARY

Flutter Mobile Developer based in Cairo with 2+ years of professional experience shipping and maintaining production Android and iOS apps with 100k+ downloads across countries. Day-to-day work covers Clean Architecture, REST API integration and error handling, native Android and iOS platform channels, real-time features, and multi-provider payment gateway integrations.
Proven track record of full-lifecycle product ownership, taking products from concept to production.

PROFESSIONAL EXPERIENCE

Flutter Mobile Developer, YAY Global — Jun 2024 – Sep 2026

YAY Portal & YAY Taxi | Mar 2025 - Sep 2026

- **Independently integrated the entire YAY Food application into YAY Portal** by converting it into a reusable Flutter package, restructuring navigation, dependency injection, notification handling, and app lifecycle management.
- **Led the mobile migration from Stripe to NGenius** by implementing native Android/iOS SDKs via Flutter platform channels, and integrated **Paymob** for the Egyptian market.
- Designed a **payment abstraction layer** supporting Stripe, NGenius, and Paymob, simplifying future payment gateway replacements.
- **Maintained and shipped updates** for applications with **100k+ downloads** across **4 regional markets**.

YAY Food | Jun 2024 - Mar 2025

- **Developed the YAY Food customer app from scratch,** from planning to launch, with live order tracking, in-app chat, push notifications, in-app payments, and localization across six languages.
- **Collaborated with the design team on user research and product planning**, shaping features before development.
- Maintained and enhanced the Rider and Restaurant applications, supporting the three-app ecosystem and synchronizing live order and driver tracking.

PROJECTS

FlipStreak - Book Management & Habit Tracker — Sep 2023 – Jan 2024

- **Independently built and launched** FlipStreak, acquiring **500+ downloads** on Google Play.
- **Defined the product from concept to launch**, including ideation, wireframing, UI/UX design, usability testing, development, release, and post-launch iteration.
- **Implemented a gamified streak-tracking system** that increased user retention by **27%**.
- **Conducted usability studies** and **iterated on designs** based on user feedback to improve onboarding and overall user experience.

Pluperfect - English Speaking Practice App

- Features 4 modes for learning (quotes pronunciation, listening, grammar evaluation, and spontaneous talking).
- Integrated AI for conversation simulation, alongside fluency and grammar evaluation.
- Led the entire design and user interface process of the application.

SayIt - Word Capture & Pronunciation

- Native Android app utilizing Google's **ML Kit** Text Recognition system to extract words from images.
- Integrated the Google Speech model to vocally pronounce words upon user interaction.

Open Source:

- **ngenius_flutter_sdk** — Implemented saved-card payments across Kotlin (Android) and Swift (iOS), added support for older Flutter versions and improved the package documentation; contributed upstream to the maintainer.

- **Publisher of 4 packages on pub.dev:**
  modern_dialog / z_grouped_list / responsive_wrap_container / adaptive_appbar

SKILLS

- **Core:** Flutter, Dart, Android, iOS, REST APIs, JSON, BLoC/Cubit, Riverpod, GetX, Clean Architecture, MVVM, SOLID Principles, Dependency Injection (GetIt), Git.
- **Mobile:** Firebase (FCM Push Notifications), Google Maps API, WebSockets, Platform Channels (Kotlin / Swift), Local Storage (SQLite, Hive, Shared Preferences), Localization, Responsive & Adaptive Layouts, Custom Animation.
- **Payments:** Stripe, Paymob, Fawry, N-Genius — card tokenization, auth/capture flows, digital wallets payment.
- **Release & CI/CD:** GitLab CI/CD, Google Play Console, App Store Connect, TestFlight, Shorebird code push, fvm.
- **Tools:** Jira, Figma, Agile/Scrum, AI-assisted development (Claude Code, OpenAI Codex).

EDUCATION

Bachelor of Accounting & Finance
Ain Shams University | 2019 - 2023 | GPA 3.6 / 4.0 (B+ with Honors)

CERTIFICATIONS

.NET Web Developer Diploma | DEPI — Oct 2024

Google UX Design Professional Certificate | Google — Nov 2023

Flutter Mobile Development Diploma | ITSharks — Jun 2022