Gasser Elkomy

Flutter Developer | Mobile Application Development — Android, iOS & Desktop
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PROFESSIONAL SUMMARY

Flutter Developer (also recognized as Flutter Engineer / Mobile Engineer) with 2+ years of experience in mobile application development, building and shipping production-grade cross-platform Android and iOS apps live on the Google Play Store and Apple App Store. Specializes in Clean Architecture, SOLID principles, BLoC/Cubit state management, RESTful API integration, Firebase, Supabase, unit and widget testing, and CI/CD pipelines. Integrates AI agents and automation workflows (Claude Code, Cursor, OpenCode, Codex) into the development process to accelerate delivery while maintaining full ownership and understanding of shipped code. Proven ability to learn new tools in live production environments and deliver high-quality mobile experiences within Agile teams.

WORK EXPERIENCE

Flutter Developer | Tribel | Remote — Singapore *Aug 2025 – Mar 2026*

- Delivered 51+ assigned tasks tracked via Jira across multiple sprints, covering feature development, bug fixes, and architecture improvements.
- Developed core modules of a cross-platform Flutter app (Android & iOS) using Clean Architecture and SOLID principles.
- Built end-to-end features with Supabase for authentication, database operations, and real-time updates.
- Applied BLoC for predictable, testable state flows and created reusable UI components following Material Design and Cupertino guidelines.
- Worked within an Agile/Scrum process, coordinating tasks with designers and developers across the team.
- Managed source control and code reviews in GitLab; maintained automated build and deployment pipelines with GitLab CI/CD.
- Improved app performance, security, modularity, and release quality through continuous integration and structured architecture practices.
- Reduced app startup time by 20% and eliminated memory leaks using Flutter DevTools, resulting in a 99.8% crash-free rate (Firebase Crashlytics).

Flutter Developer | Freelance | Remote — Egypt

Jan 2024 – Present (paused during full-time role at Tribel, Aug 2025 – Mar 2026)

- Delivered multiple Flutter apps for clients across real estate, gym management, and B2B sectors using Clean Architecture and scalable design patterns.
- Implemented local data persistence and offline handling using SQLite and Hive to improve reliability on unstable connections.
- Built and used a multi-agent AI coding pipeline (planner, executor, reviewer roles) with Claude Code, Cursor, OpenCode, and Codex to speed up feature development and testing while maintaining full code ownership.
- Contributed to client product strategy beyond development — including business model input and feature prioritization that shaped final product direction.
- Notable project: IronBii — a full cross-platform gym management system (desktop & mobile) covering client registration, attendance tracking, subscription packages, and QR-based access control; currently piloting with a live gym.
- Integrated RESTful APIs, Firebase, Supabase, and real-time databases to power client-facing mobile features.
- Ensured production-grade performance, stability, and maintainability across all delivered Android and iOS projects.

Flutter Developer | Dimax Real Estate | Remote — Egypt *Mar 2024 – Aug 2024*

- Delivered a full real estate management app (Android & iOS) with custom responsive UI, animations, and measurable performance improvements via Firebase Crashlytics and Analytics.
- Improved state management stability using Cubit and implemented efficient paginated data loading for property listings, reducing memory-related crashes by an estimated 30% — the pagination technique was later published as the open-source pagination_manager package.
- Implemented JWT authentication, Google Maps geolocation, advanced filtering, and multi-language support.
- Enhanced debugging and crash resolution workflows by integrating Firebase Crashlytics for real-time crash monitoring.

PROJECTS

Dimax – Real Estate Management App | Play Store
Full real estate management app for Android & iOS; responsive UI, Google Maps geolocation, JWT auth, advanced filtering, and multi-language support.

IRONBII — Gym Management SaaS - Mobile & Desktop | ironbii.com

Developed a full-stack B2B gym operating system serving gym owners with member management, subscriptions, business analytics, AI-powered insights, and MCP-based AI integrations. Security-focused: JWT authentication, secure local storage, data encryption, and device-level licensing across mobile and desktop.

PPhone – Secure Ownership & Anti-Theft App | Play Store | App Store
Solo-built cross-platform app for mobile device ownership verification — 1,000+ downloads across Google Play and the App Store. Security-focused: biometric authentication, secure local storage, and encrypted data handling. Implemented Firebase Cloud Messaging (FCM) for push notifications and user engagement, alongside QR/Barcode scanning, OCR, deep links, Supabase + Cloudinary backend, Crisp support, and lost/stolen reporting. Clean Architecture throughout.

pagination_manager – Open-Source Flutter Package | pub.dev
Reusable pagination utility package published on pub.dev — 160 pub points, 16+ likes. Actively maintained and used by other Flutter developers.

Fazakir – Islamic Educational App | GitHub
Comprehensive Islamic educational resource app covering Quran, Hadith, and daily practices. Open source; available as an APK download.

Snap Text – OCR App | GitHub
Optical character recognition app for scanning and extracting text from images, integrating an online OCR API for text recognition. Open source; available as an APK download.

SKILLS

Mobile & Cross-Platform Development: Android, iOS, Desktop (Flutter Desktop), Cross-Platform (Flutter/Dart), Mobile Engineering, Async Programming

UI & Design: Mobile UI/UX Design, Material Design & Cupertino Guidelines, Adaptive & Responsive Layouts, Flutter Widgets, Widget Lifecycle, UI Implementation from Design Specifications

State Management: BLoC, Cubit, HydratedCubit, Provider, Riverpod, GetX

Backend, APIs & Storage: Firebase, Supabase, PHP, MySQL, PostgreSQL, RESTful APIs, GraphQL, JWT Authentication, Data Caching, API Error Handling, SQLite, Hive, Shared Preferences, Offline Data Handling

Security: Biometrics, Secure Storage, JWT Authentication, Data Encryption

Testing & Performance: Unit Testing, Widget Testing, AI-Assisted Test Authoring, Flutter DevTools, Performance Profiling, Memory Optimization, Crash Resolution (Firebase Crashlytics)

DevOps & Version Control: Git, GitHub, GitLab, GitLab CI/CD, GitHub Actions, Codemagic, Automated Build & Release Pipelines, Firebase Analytics

Architecture & Patterns: Clean Architecture, MVVM, SOLID Principles, Design Patterns, OOP, Agile/Scrum Methodologies

AI Agents & Automation: Multi-Agent AI Coding Pipelines, MCP Protocol, LLM Integration, Prompt Engineering, Workflow Automation, AI-Assisted Development — Claude Code, Cursor, OpenCode, Codex

Device & Third-Party Integrations: QR/Barcode Scanning, OCR, Biometrics, Push Notifications, Deep Links, Camera & Geolocation APIs, Cloudinary, Third-Party SDK Integration, Platform Channels (MethodChannels/EventChannels)

Soft Skills: Problem Solving, Adaptability, Fast Learner, Team Collaboration, Communication, Flexibility, Attention to Detail, Product Thinking, Business Acumen, Remote Work

Domain Expertise: Real Estate, Gym Management, B2B Apps, E-commerce, Mobile Security, Cultural & Religious Apps

Languages: Arabic (Native), English (Professional)

CERTIFICATIONS

- Complete Flutter & Dart Development Course [Arabic] – Udemy [Certificate]
- Deep Dive into Clean Architecture in Flutter [Arabic] – Udemy [Certificate]
- Mastering Flutter: Responsive & Adaptive UI Design [Arabic] – Udemy [Certificate]
- Flutter Advanced – Clean Architecture & MVVM [Arabic] – Udemy [Certificate]

EDUCATION

Licentiate Degree — Public & Applied History | Benha University, Egypt | Graduated May 2025