Peter Ayman

Flutter Developer

☐ +20 1210711093 peterayman800@gmail.com🏠 Egypt, Cairo

in Linkedin   ⚙ GitHub   💼 Portfolio

Summary

Flutter Developer with experience in building cross-platform applications for mobile, desktop, and Web using Flutter and Firebase. Completed a smart parking system ("Go Park") with hardware-software integration, real-time communication, and elevator control via the Firebase Real-Time Database. Currently, I am working on a PV SCADA system using Flutter Desktop, focusing on large-scale data models, PLC communication, and advanced visualization. Exploring Industrial IoT (IIoT) with MQTT for hardware control. Passionate about creating user-friendly and scalable applications that connect devices, analyze real-time data, and deliver smart interfaces.

Professional Experience

Flutter Developer

HA Technology   *6/2025 – Present*

- Developed a large-scale PV Solar SCADA desktop application using Flutter with real-time data visualization.
- Integrated Snap7 for acquiring and processing high-frequency PLC telemetry.
- Built interactive industrial schematic widgets using Flutter Canvas.
- Implemented secure RBAC (Admin / Manager / Operator) with session management.
- Optimized performance using LTTB downsampling, reducing dataset size by more than 80%.
- Built advanced alarm management with client-side pagination and multi-filter search.

Projects

GoPark: [Graduation Project]   ⚙ Source Code
Smart Garage App (IOT Project):

- Built mobile app using Flutter, Cubit, and Firebase (Auth, Firestore, Realtime DB).
- Implemented profile image caching, timers, fee calculation, and offline support.
- Integrated hardware using ESP32 for elevator control (Common Service/Firebase sync).

Habits Tracker [Personal use]   ⚙ Source Code
Focused on:

- Integrated with Notion API for real-time data updates.
- Auto-day creation logic + encrypted token storage.
- Designed UI based on modern Figma layout

Bookly App   ⚙ Source Code
focused on:

- Professional Code Structure with MVVM Architecture
- Dealing with Bloc State Management.
- Apply Dependency Injection to get best app performance.
- About to add Search Feature through different news

Newsly   ⚙ Source Code
News App:

- Deals professionally with API.
- Dealing with Bloc State Management.
- Apply Dependency Injection to get best app performance.
- About to add Search Feature through different news

- Secure the API Key

ToDo App   Source Code

Focused on:

- Dealing Professionally with Hive NoSQL Local Database.
- CRUD Operations with Hive.
- Flutter Localization for choosing language to use in the app.
- Ability to change the app theme.

Skills

- **Programming:** Flutter, Dart, Firebase, Git, GitHub, C, C++, OOP, Data Structure and Algorithms basics, Solid Principles

- **Architecture:** MVVM, Clean Architecture

- **State Management:** Cubit, Bloc, Provider

- **Mobile Development:** Cross-platform app development, UI/UX design, REST API, Reading UI Designs on Figma and Building Responsive, Adabtive Apps

- **Hardware:** Basic Knowledge about, electronics ,wireless connection, micro Controllers and sensors

- **Local Data:** Hive, sqflite, shared preferences

- **Management Tools:** Notion, Obsidian, Markdown, Mermaid, Mind Maps, n8n Automation

- **Soft Skills:** Problem-solving, Teamwork, Communication, Time management, Effective Planning, Negotiations, Communication skills

Education

Bachelor of Mechatronics Engineering – Higher Technological Institute, 10th of Ramadan City (HTI)

Technical Training

- (Classic Control-PLC-Motor Drive) - HA Consulting Group

- Electronics Factory - Arab Organization for industrialization

- First and Second Line - cairo metro

Languages

- Arabic [Native]

- English [Very Good]