

Galal Salah Saad El-Din

Senior Flutter Developer

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Member, Saudi Council of Engineers (SCE) — since 2022

PROFESSIONAL SUMMARY

Flutter Developer with 4+ years of experience building high-performance, cross-platform mobile applications (Android & iOS) using Clean Architecture and Dart. Expert in state management with Bloc/Cubit and proven track record integrating complex native APIs including MQTT (IoT), ZEGOCLOUD RTC, Google Maps, and multiple payment gateways (Moyasar, Tap, Apple Pay). Delivered 5+ production apps across e-commerce, real estate, IoT rental, religious, and public safety domains, from UI design through App Store and Google Play deployment. Strong adherence to SOLID principles, clean code standards, and mobile security best practices.

WORK EXPERIENCE

Flutter Developer Jul 2022 – Oct 2025

Future Vision Solutions | Jeddah, KSA

1. Duyoof Alrahman & Provider App — Hajj Assistance Suite

- Led end-to-end development of a dual-app (pilgrim + field operator) solution serving over 15,000 users during Hajj seasons, deployed on both Android and iOS.
- Integrated Google Maps API for real-time live geolocation tracking, enabling field teams to locate missing pilgrims.
- Implemented high-concurrency real-time communication (RTC) using ZEGOCLOUD SDK, supporting live audio/video in the field.
- Leveraged Firebase Cloud Messaging (FCM) for mission-critical real-time alerts and push notifications.
- Ensured seamless data synchronization between pilgrim and provider apps via RESTful APIs (Dio).

2. Ghost — Electric Scooter Rental App (IoT-Integrated)

- Developed and maintained a full IoT-integrated rental platform using Flutter and Clean Architecture, serving real-time scooter fleet operations.
- Implemented MQTT Protocol for low-latency, bidirectional hardware communication, reducing device response time by 40% (under 200ms).
- Integrated Moyasar Payment Gateway for secure automated billing; reduced transaction errors through robust error-handling logic.
- Utilized Pusher for live status updates and Google Maps for geofencing, unlocking zones, and turn-by-turn navigation.

3. Al-Quran Al-Kareem — Islamic Guidance App

- Built a comprehensive offline-first religious app featuring full Quran audio playback, detailed Tafsir, and Qibla direction via Google Maps.
- Optimized local storage with efficient Hive and SQLite queries, significantly improving cold-start performance and offline responsiveness.
- Implemented dynamic prayer time notifications with location-aware scheduling.

4. Aja — E-Commerce Platform

- Engineered a full-featured e-commerce app with real-time order tracking, product catalog management, and secure checkout flow.
- Integrated Moyasar Payment Gateway and implemented complex state management with Bloc/Cubit for smooth, predictable UI updates.
- Managed dynamic product listings and user authentication through optimized RESTful API integration.

5. Aqar Digital — Real Estate Solution

- Architected a two-tier system (Client & Provider apps) to manage property rentals, service requests, and real-time provider bidding.
- Integrated Tap Payments for secure down payments and Google Maps for precise property location and search.
- Designed a real-time quotation system enabling service providers to respond to client requests with competitive offers.

Lead Flutter DeveloperOct 2025 – Apr 2026

Seen Tard Guide | Buraydah, KSA

Expire — Inventory Management Ecosystem (Architecture & MVP Phase)

- Designed a scalable dual-app architecture using Clean Architecture to fully decouple business logic from UI, enabling team parallelism.
- Implemented complex state management with Cubit to handle real-time inventory updates and automated expiry notifications.
- Constructed a robust data modeling layer ensuring 100% readiness for RESTful API integration with zero rework required at backend handoff.
- Collaborated within an Agile/Scrum team: managed sprint tasks, provided accurate estimations, and maintained proactive communication with the Project Manager.

SKILLS

Mobile Development: Flutter & Dart (Advanced), Cross-Platform (Android & iOS), Responsive UI/UX, Native API Integration, Custom Flutter Packages, App Performance Optimization, Memory Management

Architecture & Patterns: Clean Architecture, SOLID Principles, Design Patterns (Singleton, Factory, Repository)

State Management: Bloc, Cubit, Provider

APIs & Data: RESTful APIs (Dio, Http), Firebase (Auth, FCM, Firestore, Analytics), Local Storage (Hive, SQLite, Shared Preferences)

Hardware & Protocols: MQTT (IoT), ZEGOCLOUD RTC, Google Maps API, Geofencing

Payment Gateways: Moyasar, Tap Payments, Apple Pay

Tools & DevOps: Git, GitHub, Postman, CI/CD Basics, App Store & Google Play Deployment

Methodologies: Agile, Scrum, Sprint Planning, Task Estimation

Security: Mobile security guidelines, clean coding standards, secure API communication

EDUCATION

Bachelor of Science — Computers and InformationSep 2016 – Jul 2020

Mansoura University | Egypt

LANGUAGES

Arabic: Native

English: Professional Working Proficiency