

# Ahmed Abu El-Hassan Mohamed

## FLUTTER DEVELOPER

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## PROFESSIONAL SUMMARY

Accomplished Senior Flutter Developer with over 4 years of professional experience leading the design, development, and deployment of high-performance cross-platform mobile and web applications. Proven track record of shipping 25+ production-grade apps to Google Play, App Store, and Huawei AppGallery. Expert in real-time ecosystems (GPS tracking, WebSockets), robust state management (Bloc, Riverpod, GetX), and Clean Architecture/SOLID principles. Deeply skilled in integrating Generative AI (LLMs, OpenAI/Gemini APIs) to build smart user features and leveraging AI tools to achieve 40%+ faster development cycles and deliver premium, high-fidelity products in the Middle East and Gulf regions.

## TECHNICAL SKILLS

### LANGUAGES & FRAMEWORKS

- Flutter
- Dart

### AI & SMART INTEGRATIONS

- Gemini / OpenAI API
- AI-Assisted Dev (Cursor/Copilot)
- Prompt Engineering
- LLM Integration

### DATABASE & BACKEND

- SQLite
- SQL Server
- Firebase

### PERFORMANCE & OPTIMIZATION

- App Profiling
- Memory Leak Detection
- Frame Rate Optimization (60/120 FPS)
- DevTools
- Rebuild Reduction
- Lazy Loading / Caching

### MAPPING & SERVICES

- Google Maps
- OpenStreetMap

### STATE MANAGEMENT

- Riverpod
- Bloc
- GetX
- Provider
- Stacked

### APIS & NETWORKING

- RESTful APIs
- JSON
- Dio
- Http
- Socket.IO
- GraphQL

### ARCHITECTURE & DESIGN

- Clean Architecture
- SOLID Principles
- MVVM
- MVC
- OOP
- Design Patterns

### TOOLS & CI/CD

- Git
- GitHub
- GitLab
- CI/CD (Actions, Codemagic)
- Postman

## SOFT SKILLS

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**Effective Communication:**

Articulating complex technical concepts clearly.

**Problem-Solving:**

Applying analytical thinking to navigate challenges.

**Adaptability:**

Rapidly adapting to changing tech and project scopes.

**Critical Thinking:**

Proactively identifying potential issues.

**Team Collaboration & Leadership:**

Natural leader in agile environments.

## LANGUAGES

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**Arabic:**

Native Speaker

**English:**

Professional Working Proficiency

## EDUCATION

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**Bachelor of Laws (LL.B.)**

**Mansoura University**

2013 – 2018

Developed strong analytical and problem-solving skills through rigorous legal studies.

## ADDITIONAL INFO

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**Military Status:** Exempted

## WORK EXPERIENCE

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### Senior Flutter Developer at **Busaty**

March 2025 – Present

- Leading the development of a comprehensive real-time school bus tracking ecosystem (Parents, School, and Supervisor mobile apps, and Web platform) using Flutter, Riverpod, and Bloc.
- Implementing continuous real-time GPS tracking, background location services, and geofencing to track children's trips to and from school safely.
- Integrating WebSockets (Socket.IO) and push notifications for instant alerts, reducing notification latency by 30%.
- Optimizing runtime application performance, diagnosing memory leaks via DevTools profiling, and reducing widget rebuilds to achieve stable 60/120 FPS.
- Leveraging Generative AI tools (Copilot, Cursor) and APIs to optimize code refactoring, automate unit testing, and add smart autocomplete/route recommendations.
- Applying Clean Architecture, clean coding standards, and SOLID principles to ensure highly modular and scalable mobile codebases.

### Senior Flutter Developer at **Code7X**

August 2023 – February 2025

- Architected and developed enterprise-level cross-platform mobile applications using Flutter, Dart, and clean architecture patterns.
- Collaborating with cross-functional teams to define, design, and ship new features.
- Optimizing application runtime memory and CPU footprint, resolving memory leaks, and profiling rendering performance using Flutter DevTools.
- Writing clean, maintainable, and efficient code, incorporating OOP design patterns.
- Implementing robust state management using Bloc and GetX.
- Establishing CI/CD automated test and deployment pipelines to enhance release cycles.

### Flutter Developer at **Neoxero**

June 2022 – August 2023

- Developed and maintained high-traffic mobile applications using Flutter and Dart, serving over 10k monthly active users.
- Integrated 15+ RESTful APIs connecting applications to backend services, reducing data serialization latency by 20%.
- Utilized Firebase and SQLite to implement robust offline-first synchronization, ensuring uninterrupted user sessions.
- Applied MVVM and MVC design patterns for codebase structure, improving overall code maintainability by 30%.
- Optimized runtime app performance, including cache strategies, which reduced network data consumption by 15%.

### Training Flutter Developer at **in-out**

June 2021 – December 2021

- Acquired solid fundamentals in Dart and Flutter under senior developers' mentorship, building 5+ mock application modules.
- Learned and implemented clean code best practices, state management (Provider), and responsive layouts.
- Participated in peer code reviews, daily standups, and technical discussions in a team of 4.
- Gained practical experience with Git version control workflows, branch management, and GitLab pull requests.

## PROJECTS

### One Drop

**Technologies:** Flutter, Dart, Localization

APP STORE

### Qatarat

**Technologies:** Flutter, Dart, Payment Gateways (Mada, Apple Pay), RESTful APIs

APP STORE

### Qatarat Delegate

**Technologies:** Flutter, Dart, Location Tracking, Google Maps API, Background Services

APP STORE

### Busaty - Parents

**Technologies:** Flutter, Dart, Firebase, RESTful APIs, Bloc, Socket.IO, OpenStreetMap

GOOGLE PLAY

APP STORE

APPGALLERY

### Busaty - School

**Technologies:** Flutter, Dart, Firebase, RESTful APIs, Bloc, Socket.IO, OpenStreetMap

GOOGLE PLAY

APP STORE

APPGALLERY

### Busaty - Bus

**Technologies:** Flutter, Dart, Firebase, RESTful APIs, Bloc, Socket.IO, OpenStreetMap

GOOGLE PLAY

APP STORE

APPGALLERY

### Busaty - Web

**Technologies:** Flutter Web, Dart, RESTful APIs, Bloc, Socket.IO, OpenStreetMap

WEB

### Absher BE

**Technologies:** Flutter, Dart, Google Maps, GPS Tracking, Payment Gateways

GOOGLE PLAY

### Abou Gabal

**Technologies:** Flutter, Dart, RESTful APIs, Firebase, Shopping Cart, Delivery Flow

GOOGLE PLAY

### Sweet Market

**Technologies:** Flutter, Dart, RESTful APIs, Firebase, Order Tracking, Cash-on-Delivery

GOOGLE PLAY

### Global

**Technologies:** Flutter, Dart, Map Routing, Real-time Tracking, Push Notifications

APP STORE

### Tsawq Sale

**Technologies:** Flutter, Dart, RESTful APIs, Firebase, Bloc

GOOGLE PLAY

APP STORE

### Aqarcom

**Technologies:** Flutter, Dart, Firebase, RESTful APIs, Google Maps, Bloc

GOOGLE PLAY

APPGALLERY

### Hijin Al Khaleej

**Technologies:** Flutter, Dart, Firebase, RESTful APIs, Socket.IO, GetX

GOOGLE PLAY

APP STORE

### Saden Park

**Technologies:** Flutter, Dart, Firebase, RESTful APIs, GetX

APP STORE

### Labani

**Technologies:** Flutter, Dart, Firebase, RESTful APIs, Provider

GOOGLE PLAY

APP STORE

### Labani Delivery

**Technologies:** Flutter, Dart, Location Tracking, Google Maps, Background Services, RESTful APIs

GOOGLE PLAY

### Zabaih Sultan

**Technologies:** Flutter, Dart, RESTful APIs, Google Maps, GPS Tracking, Payment Gateways

GOOGLE PLAY

APP STORE

### SALESCO

**Technologies:** Flutter, Dart, Firebase, RESTful APIs, Bloc, Google Maps

APP STORE

### Fokkaha

**Technologies:** Flutter, Dart, Firebase, RESTful APIs, Bloc, Google Maps

APP STORE

### Fokkaha Restaurant

**Technologies:** Flutter, Dart, Firebase, RESTful APIs, Bloc, Google Maps

APP STORE

### Fokkaha Delivery

**Technologies:** Flutter, Dart, Firebase, RESTful APIs, Bloc, Google Maps

APP STORE

### BranchIQ (Open-Source Package)

**Technologies:** Dart, Decision Intelligence, Tree Traversal Algorithms, Scoring Engines

PUB.DEV

GITHUB

### Dhikr

**Technologies:** Flutter, Dart, Audio Player, SQLite (Offline Mode), Quran & Athkar Database

APP STORE

**HQOL**

**Technologies:** Flutter, Dart, RESTful APIs, SQLite, Firebase, GetX

[GOOGLE PLAY](#)**X5 Smart**

**Technologies:** Flutter, Dart, Firebase, Bloc

[APP STORE](#)**Miss Loren**

**Technologies:** Flutter, Dart, Firebase, RESTful APIs, Bloc

[APP STORE](#)**Umrah Gift**

**Technologies:** Flutter, Dart, Firebase, RESTful APIs, Google Maps, GetX, Video Call, Compass

[APP STORE](#)**Umrah Provider**

**Technologies:** Flutter, Dart, Firebase, RESTful APIs, Google Maps, Video Call, Stacked

[APP STORE](#)**Mall Guide**

**Technologies:** Flutter, Dart, Firebase, RESTful APIs, Bloc

[APP STORE](#)