Mohamed Alaa
Flutter Developer

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PROFILE

Flutter Developer with 1 year of experience building cross-platform mobile apps using Dart and the Flutter framework. Skilled in creating responsive UIs, integrating APIs, and implementing state management. Passionate about delivering smooth user experiences and collaborating on impactful mobile solutions.

EDUCATION

10/2020 – 07/2025   **Bachelor's Degree in Computer Engineering**
Misr Higher Institute for Engineering and Technology
Major: Computer Engineering
Graduation Project (Brain Pulse) **Grade: Excellent**

PROFESSIONAL EXPERIENCE

12/2024 – 01/2025   **Trainee Developer | Remote**
Freelance
• Designed a ticket booking application for a hotel in Hurghada, including a feature to print tickets using a thermal printer.

PROJECTS

Meal App ⧉

- Built a recipe browsing app using MVC design, applying clean code practices for maintainability. Separated UI, logic, and models into modular layers and created a responsive interface with reusable widgets.
- Integrated static meal data and displayed it through a responsive UI using Flutter's ListView and custom widgets.

Dot's – E-commerce App ⧉

- Developed a modern e-commerce app with MVVM architecture using Flutter. Integrated product APIs with Dio, managed cart functionality using BLoC and repository pattern, and implemented smooth animations for UI transitions and item interactions.

Bookly App ⧉

- Built a book discovery app using Flutter and Cubit with MVVM architecture. Fetched and displayed books via API, used Supabase for backend services, applied clean code practices, and added smooth animations for a responsive reading experience.

Cinema App ⧉

- Created a movie browsing using Cubit and MVVM structure. Integrated APIs and Supabase for dynamic content and user data, implemented animated transitions, and maintained a clean,modular codebase for scalability.

Oly ElAzm – Quran Learning App ⧉

- Built a platform that connects Quran tutors with students, facilitating seamless communication and learning sessions.

News App ⧉

- Developed a real-time news app using Flutter and Cubit state management. Applied MVVM architecture, consumed a news API for dynamic content, and followed clean code principles to build a structured, maintainable codebase.

To-Do App

- Developed a task management app using MVC architecture to separate concerns. Integrated Hive for local data storage and SharedPreferences to manage a user's favorite tasks list. The app allows users to add, edit, and delete tasks, and mark tasks as favorites for quick access.

SKILLS

Programming Languages & OOP

- Dart , Object-Oriented Programming (OOP) , Data Structures , Swift

API & Backend Integration

- RESTful APIs , API Integration , Dio and Repository Pattern

Flutter & Mobile Development

- Flutter Development , UI/UX Design , Responsive and Adaptive UI , Google Maps Integration , Animation

UI/UX

- Responsive design, Material Design

Problem Solving

- Algorithmic Thinking, Logical Debugging

State Management & Architecture

- MVVM , MVC , Bloc Pattern , Provider , Clean Architecture , Design Patterns , SOLID Principles

Development Tools

- Git , GitHub , Xcode, Android Studio , Postman , VS Code

Database

- SQLite, SharedPreferences, Hive, Supabase, Firebase

Code Quality

- Clean Code , Testing and Debugging , Modular & Reusable Components

Soft Skills :

- Communication Skills, Agile Development Methodologies, English, Teamwork, Presentation, Adaptability

CERTIFICATES

Nasa Space App Competition(NASA) ⧉
Participant - 2024

Flutter Course ⧉
Advanced

iOS Mobile Development Training – Information Technology Institute (ITI) ⧉

LANGUAGES

Arabic — Native/Bilingual

English — Fluent