

MOSTAFA HUSSEIN

+20 (1158638308) ◇ Cairo, Egypt

Email ◇ LinkedIn ◇ GitHub

SUMMARY

Self-motivated and results-driven **Flutter Developer** with 1 year of professional experience building and delivering responsive, high-performance mobile applications for Android and iOS. Proficient in using **Flutter & Dart**, applying **MVVM architecture**, and adhering to **SOLID principles** for clean and maintainable code. Experienced in full project lifecycle from planning to deployment, including client communication and project management on **Upwork**. Skilled in **Firebase**, **RESTful API integration**, and crafting responsive UIs for various screen sizes. Passionate about continuous learning, performance optimization, and creating seamless user experiences.

EDUCATION

Bachelor of Engineering

2018 - 2023

Helwan University

GPA: Good

Major: Communication and Computer

SKILLS

- Languages: Dart, C++, C
- Mobile Development: Flutter, Firebase (Authentication, Firestore), RESTful API Integration
- Architecture Design Patterns: MVVM, Bloc, Provider, MVC, Clean Architecture, SOLID Principles
- UI/UX: Responsive Adaptive UI Design, Material Design, Theming
- State Management: Bloc, Provider, MVVM
- Backend Services: Google Books API, OpenWeatherMap API, Cloud Firestore, Stripe Payment Integration
- Version Control DevOps: Git, GitHub, CI/CD
- Testing: Unit Testing, Widget Testing, Automated Testing, Debugging
- Computer Science Foundations: OOP, OOD, Data Structures, Algorithms
- Databases: Firestore, Microsoft SQL Server
- Soft Skills: Communication, Agile Development, Freelance Project Management, Time Management

EXPERIENCE

Intern - Communication and Electronics Engineer

Aug 2022 - Nov 2022

Bahgat Group

Cairo, Egypt

- Gained hands-on experience in communication systems, circuit design, and electronic testing.
- Assisted in troubleshooting and maintaining electronic equipment and communication devices.
- Collaborated on signal processing, network optimization, and system integration projects.
- Conducted research and documented reports to support system upgrades and technical solutions.

PROJECTS

Fruits E-Commerce App ([GitHub](#))

- Developed a cross-platform mobile app for fruit shopping using Flutter.
- Implemented secure **email/password authentication**, with support for **Google** and **Facebook login**, and **password reset** functionality.
- Integrated **PayPal** for secure online payments and real-time order processing.
- Enabled **product search and filtering** based on specific price ranges.
- Added features for **order tracking**, and **profile management**, including email and password updates.
- Supported **light and dark themes**, with dynamic switching.
- Implemented **multilingual support** (Arabic & English) with real-time language toggling.
- Applied **MVVM architecture** and **Bloc** for clean, scalable, and maintainable state management.
- Designed a responsive, adaptive UI for consistent experience across devices.

Tools & Technologies: Flutter, Dart, Firebase (Auth & Firestore), PayPal SDK, Google Sign-In, Facebook Login, Bloc, MVVM, REST APIs, Provider (UI state).

Chat App ([GitHub](#))

- Built a real-time messaging app using Flutter for the UI and Firebase for backend functionality.
- Supports authentication, typing indicators, and push notifications.
- Designed a responsive UI with dark mode for consistent cross-device experience.
- **Tools:** Flutter, Dart, Firebase.

News App ([GitHub](#))

- Displays real-time news from multiple sources.
- Integrated with a news API for dynamic content.
- Simple, user-friendly interface for seamless reading.
- **Tools:** Flutter, Dart, RESTful APIs.

Store App ([GitHub](#))

- Built an e-commerce app with Flutter and Firebase for product browsing, cart management, and order placement.
- Integrated Firebase Authentication for secure login and Firestore for real-time product and order data.
- Intuitive UI with smooth navigation.
- **Tools:** Flutter, Dart, Firebase.

Self-Driving Car

- Raspberry Pi-based autonomous car prototype.
- Detects paths, avoids obstacles, and follows lanes.
- Uses sensors and custom control algorithms.
- Designed a Flutter app to display live car status, sensor data, and instant notifications in case of accidents.
- **Tools:** Raspberry Pi, C, Sensors,Flutter.

Bookly App ([GitHub](#))

- Developed a book discovery app that allows users to browse and download free books.
- User Authentication: Includes secure login, registration, and password reset functionality using Firebase Authentication. .
- Book Discovery: Browse and search for books by category and keyword with real-time filtering.
- Clean Architecture: Follows Clean Architecture principles for a scalable and maintainable codebase.
- SOLID Principles & MVVM: Applied for clean separation of concerns and enhanced testability.
- Responsive Design: Optimized for mobile, tablet, and web platforms.
- Technologies: Flutter, Dart, Firebase Auth, REST APIs, Bloc, MVVM, SOLID Principles

COURSES & CERTIFICATIONS

- **Complete Flutter & Dart Development Course** - Udemy
- **Flutter Advanced Course: Bloc and MVVM Pattern** - Udemy
- **Mastering flutter responsive-adaptive UI design** - Udemy
- Clean Architecture in flutter -Udemy