

# Mostafa Mahmoud

Flutter Developer with 2+ Years Experience

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📅 Jan, 2000

📍 Egypt, Cairo.

📺 [YouTube](#)

🐙 [GitHub](#)

in [LinkedIn](#)

🛡 Military deferred til 2028

## Work Experience

### Lead Flutter Developer & Administrator

[Semicolon](#), August 2022 - June 2023 (10 months)

- **Solely responsible** for Flutter app development in the company.
- Successfully Maintained, Reskinned, and Developed **over 20 projects** using Flutter for Android, iOS, and web platforms.
- Manage and distribute tasks and time under pressure situations.
- Dealing responsibly and efficiently with the **multiple daily tasks** of different projects, organizing, prioritizing, distributing, and following up on them in most cases until delivery to the client.
- Proven **problem-solving** abilities to identify and resolve issues efficiently.
- Collaborating closely with the back-end developer, communicating requirements and clarifying data specifications for new projects and issue resolution.
- **Communicate with clients** to understand **business requirements** and deliver projects accordingly.
- Deployed more than 10 apps to the App Store.
- The manager **recommended** me on my LinkedIn profile.

## Projects

### El-Garayhi Education Center | App Project Manager

Part of Academy Mentor, an integrated system designed for schools, educational centers, and departments.

- Solely responsible for developing the project **from scratch** as an Application Developer, til publishing on the app stores.
- **Collaborated closely** with the client to understand project requirements and quickly implement key features and deliver them within a week.
- Direct **cooperation with back-end** developers, follow-up on required tasks, and testing them before publishing.
- Continuous **customer support** for a period of 6 months, dealing with tasks efficiently, and following up on required tasks with 3 backend developers.
- Gained client appreciation for the work provided and prompt response.
- Implemented **unit testing** for the exam functionality to ensure code accuracy, as it is one of the most crucial features of the application, demanding precision without room for errors.
- Developed code that's responsible for **managing internet outages** within the app. A seamless data fetching mechanism has been developed to ensure an uninterrupted user experience when the internet connection is restored.
- Over **2000 downloads** from stores in 2023, with a rating of 4.6.

[GitHub](#) - [Google Play](#) - [App Store](#)

## Technical skills

### Core

- OOP
- Flutter & Dart (Android, iOS & Web)

### App Store Deployment

- Google Play console
- App Store & TestFlight

### Backend Integration and APIs

- REST API
- Firebase
- Dio & http (http client libraries)

### Cloud Messaging

- Firebase Cloud Messaging (FCM)
- APNs with FCM (iOS)
- OneSignal with FCM

### State Management & Arch

- Bloc, Provider & GetX
- MVC Architecture
- Clean Architecture

### Code Quality & VCM

- Clean Code
- SOLID
- Unit Testing
- Git & GitHub

### Additional Skills

- **Payment integration**
- Notion
- Algorithms (Problem-solving & Algorithmic thinking)
- Good knowledge of Design Patterns
- Experience in App Reskinning & Modifying Existing Projects

**Turkish House - Restaurant** | Flutter developer

- Developed a "Branches" core feature for both user and waiter applications, tailoring it in each version to suit the app's functionality.
- Provided valuable **client support** in the final stages of the project, ensuring seamless implementation of requirements and timely resolution of issues. Coordinated with the back-end developer in assigning tasks to him.
- Modified the **web version** for both user and waiter app versions.
- Efficiently prepared the delivery boy app to comply with **Google Play policies**, successfully deployed on Google Play with a flawless first attempt.
- Set up the iOS version of the app, including implementing (APNs).
- Deployed the waiter version as "unlisted" on the App Store.

User: [Web](#) - [Google Play](#) - [App Store](#)

Waiter: [Web](#) - [App Store](#)

Delivery man: [Google Play](#) - [App Store](#)

**Geo4physics Education Center** | Flutter developer

- Devised an innovative **solution** to solve the problem of accessing videos securely within the application, in close collaboration with the back-end developer.
- Achieved a remarkable **100% reduction** in the app's size, optimizing it from **30 MB** to a lean **15 MB**, resulting in significantly improved loading times and minimal device resource consumption.
- Resolved **App Store guideline** violations related to the WebView app, and successfully published it as "Read only" app.

[Google Play](#) - [App Store](#)

**Encrypt It** | Flutter developer & owner

An app that encrypts and decrypts texts by password using unique and strong encryption algorithms.

- Developed a special encryption algorithm while still learning Flutter **in the beginning**.
- Devised a unique encryption approach that enhances security by generating **different, random** ciphertext each time the same text is encrypted, ensuring the utmost protection of the algorithm.
- Safeguarding and encrypting the text with a user-typed password, restricting decryption solely with the same password.
- Implemented a robust **password-based encryption and decryption system**.
- Implemented a distinctive **Neumorphism** UI design.
- Designed the application's custom icons, logo, and animation.

[GitHub](#) - [Google Play](#)

**Edeely Ma'ak** | Flutter developer

An app that connects users to each other and reminds them to pray for each other when breaking the fast in Ramadan.

- Implemented by Firebase.

[GitHub](#) - [Google Play](#)

**Soft skills**

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- Analytical thinking	- Critical thinking	- Understanding & editing an exists
- Attention to detail	- Good knowledge of Design Principles	project code
- Quick learning	- Good searching	
- Communications	- Debugging skills	

**Languages**

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• Arabic (Native)	• English (Good)
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**Certificates**

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• <a href="#">UX Design</a> - Edraak
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