

# Mostafa Mahmoud

Flutter Developer with +1 Years Experience

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📅 11 Jan, 2000

📍 Egypt, Cairo.

📺 [YouTube](#)

🐙 [GitHub](#)

in [LinkedIn](#)

🛡 Military deferred til 2023

## 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 can provide a recommendation upon request.

## 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 on the Google Play Store.

[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, Cubit, Provider & GetX
- MVC Architecture
- Clean Architecture

### Code Quality & VCM

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

### Additional Skills

- 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 man 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 | - Communications                      | - Understanding & editing an exists |
| - Attention to detail | - Good knowledge of Design Principles | project code                        |
| - Quick learning      | - Good searching                      |                                     |

**Languages**

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|-------------------|------------------|
| • Arabic (Native) | • English (Good) |
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