Mostafa Mahmoud

Flutter Developer with 1+ Years Experience

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▶ YouTube   in LinkedIn   GitHub   🎖 Military deferred til 2028

Summary

I am a good learner, can learn quickly, and am passionate about developing my skills and gaining more experience.

Work Experience

Flutter Developer

Freelancer, June 2023 - current

Lead Flutter Developer

Semicolon, August 2022 - June 2023 *(10 months)*

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

Integrated into Mentor Academy for schools and educational centers. Enables students to participate in lessons, exercises, and timed exams. Provides answer corrections promptly upon completion of the exam. Allows comparison of student performance with peers who completed the same test.

- Solely responsible for developing the project from scratch.
- **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 deploying.
- 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

Technical skills

Core
- OOP
- Flutter & Dart (Android, iOS & Web)
- Android native basics

State Management & Arch
- BloC, Provider & GetX
- MVC Architecture
- Clean Architecture

Backend Integration and APIs
- REST API & Postman
- Firebase
- Dio & http

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

Code Quality & VCM
- Clean Code (Uncle Bob)
- SOLID
- Unit Testing
- Git & GitHub

Additional Skills
- Data Structure
- Payment Integration
- Notion
- Algorithms (Problem-solving & Algorithmic thinking)
- Design Patterns
- UI & UX Principles
- Experience in App Reskinning & Modifying Existing Projects

App Store Deployment
- Google Play console
- App Store & TestFlight

response.

- Implemented **unit testing** for the exam functionality to ensure code accuracy, as it is one of the most crucial features of the applications.
- 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

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.

Google Play

Soft skills

- Analytical thinking
- Attention to detail
- Quick learning
- Communications

- Critical thinking
- Design Principles
- Good searching
- Debugging skills

- Understanding & editing an exists project code

Certificates & Courses

- UX Design - Edraak

- Kotlin - Udemy