

Mostafa Mahmoud

Mobile application developer with 2+ Years Experience

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📅 Jan, 2000

📍 Egypt, Cairo.

📺 [YouTube Channel](#)

in [LinkedIn](#)

🐙 [GitHub](#)

📖 [StackOverFlow](#)

🛡 Military deferred

About me

I'm always eager to learn and grow my skills to keep up with new tech. With over 2 years of experience in mobile app development, especially with Flutter, I create apps that solve real problems for people.

I enjoy sharing ideas and working together to achieve team goals. Recently, I served as a team leader in a mentorship program, managing a team of three. My responsibilities included task distribution, code review, and explaining complex concepts during regular team meetings. This experience enhanced my **leadership** and **communication skills**.

My focus is on delivering real value to users and improving their experience. I believe in giving back to the developer community and sharing what I've learned. In my free time, I make YouTube videos and create **open-source** tools to help other developers. My YouTube channel has over **50,000 views** and almost **2,000 subscribers**.

I'm committed to continuous learning and growth, both for myself and those around me.

Work Experience

Flutter Developer

Freelancer

June 2023 - current

Flutter Developer

[Amyal Smart Co.](#) | Saudi Arabia

Feb 2024 - Apr 2024

Developed Amyal Service app, one of the key projects for Smart Amyal, a 100% Saudi investment company specializing in digital solutions, marketing, and loyalty programs.

In this position I was responsible for:

- Establishing the **core project structure** and developing the entire application.
- Implemented Agile methodologies, maintaining constant communication with the supervisor and regularly updating tasks on Trello.
- Developed a robust application structure that supports scalability and easy maintenance.

Flutter Developer

[Semicolon Co.](#)

August 2022 - June 2023

- **Solely responsible** for App development.
- Successfully Maintained, and Developed over 10 projects.
- Proven **problem-solving** abilities to identify and resolve issues.
- Manage and distribute tasks and time under pressure situations.
- Dealing responsibly with **multiple daily tasks** of different projects, organizing, prioritizing, distributing, and following up on them in most cases til delivery to the client.

Technical skills

Core

- Flutter & Dart (iOS, Android)
- Android native basics

State Management & Arch

- BloC, Cubit & Provider
- Clean Architecture
- MVC Architecture

Back-end Integration

- REST API & Postman
- Firebase, FCM & APNs
- OneSignal

Code Quality & VCM

- Clean code
- SOLID Principles
- Unit test basics
- Git & GitHub

Additional Skills

- Data Structure
- Algorithms & Problem-Solving
- Design Patterns
- UI & UX Principles

App Store Deployment

- Google Play console
- App Store & TestFlight

- **Collaborating closely** with back-end developers, communicating requirements and clarifying data specifications for new projects and issue resolution.

Projects

Amyal Service - KSA

Mar 2024

An app for car washing and parking services in the Kingdom of Saudi Arabia with reservations and subscriptions implemented from scratch.

- Solely responsible for developing the project from scratch with different functions based on user role (user, employee, supervisor).
- Implementing a real-time update on the status of orders in the employee version, in addition to employee updates in the supervisor version based on FCM.
- Working with Agile, constantly following up on the work closely with the Team Leader, following up and adding tasks on Trello, and closely cooperating with the back-end developer.
- Implementing real-time pricing for products, discounts, and taxes, and dealing with payment cases in the application smoothly.
- Cleanly validate in-app dates and input fields, improving the UX.
- Implement code extensions to facilitate text styles in the application and facilitate the modification or later addition of dark mode.
- Implementing functions to facilitate the user experience such as simultaneously processing license plate data entry in both languages and performing validation as required, leading to successful application functionality and fewer bugs.

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

Internet State Manager Package (Open Source)

2023

Flutter **package** designed to manage internet connection outages seamlessly within the app; ensures an uninterrupted UX by implementing a reliable **data-fetching mechanism** that activates once the internet connection is restored. This package allows developers to easily handle network changes and customize user interfaces based on connectivity status with easy code.

Role: Creator and Maintainer

- Actual Internet Connection Check: Accurately detects the presence of an internet connection, beyond just verifying a Wi-Fi connection.
- Automatic Data Fetching: Implements your own function that called once the internet connection is restored. This feature provides an **excellent user experience** as the user does not have to reload/open the application again to fetch data when the internet connection is down.
- Builder Widget: Provides a dedicated builder widget with parameters to display various internet connection statuses, allowing control over the display of specific widgets based on the connection state.
- Customizable Widgets: Displays the package's built-in widget or a custom widget when the internet connection is down, with periodic status updates when the connection is restored.
- Ease of Use: Simplifies implementation by reducing the need for extensive code on every page that requires internet connection checks, making it practical and **user-friendly**.

[GitHub](#)

Bul Ve AI

Jan 2024

Classified ADs application in Turkey.

- I was responsible for developing the application from scratch in addition to designing the application interface design and improving the user experience.
- Implementing a **dynamic localization system** according to the client's request, fetching language data and translations from the server, and this system was **converted to a private package** for easy use later in other projects.

It was a challenge, especially on the ad publishing page with multi-language, with the feature of automatically translating the rest of uncompleted content by handling with Google Translate services.

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

SpaceX

2024

Internship mobile app project for SpaceX APIs with some simple functions.

- Implementing flutter Flavors for both android and iOS.

- I was assigned the responsibility of being a team leader for a team of two trainees where I was responsible for distributing tasks, reviewing the team codes, and explaining some technical matters to them such as Singleton, DI, BloC pattern, working with GitHub, and Clean architecture pattern.
- I was responsible for ui & ux design decisions of the project in collaboration with my team and assigning tasks accordingly.

[GitHub](#)

El-Garayhi Education

2023

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.

- Complete the test solution, show images, and view the final result with evaluation **even when the Internet connection is disconnected**, and **upload data as soon as the user connects to the Internet**.
- Continuous customer support for 6 months, dealing with tasks efficiently on Notion, and testing them before deploying with a direct **cooperation** with back-end developers which led to client appreciation for the work provided and prompt response.
- Unit testing implemented for the exam functionality to ensure code accuracy.

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

Turkish House - KSA

2023

- 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.

[App Store](#)

Geo4physics Education

2023

- Devised an innovative solution to solve the problem of accessing videos securely within the app, in close collaboration with the back-end developer.
- Achieved a reduction in the app's size and improved loading times and minimal device resource consumption.

Not available on stores right now!

Wassally

2023

Restuarant App.

Modify chat functionalities with handling with message types and cooperation with the back-end developer to fix some issues.

Not available on stores right now!

Encrypt It

2021

Personal application 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.
- Implemented a robust **password-based encryption** and decryption system.
- Neumorphism UI design.

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

Soft Skills

- Analytical thinking
- Quick learning
- Skillful Searching
- Attention to detail
- Communications
- Teachable
- Ability to share knowledge
- Critical thinking
- Design Principles
- Debugging skills
- Dive into a Code & Modification
- Notion & Trello
- Time management

Certificates & Courses

- Android native basics | [YouTube](#) (2023)
- Kotlin | [Udemy](#) (2023)
- UX Design | [Edraak](#) (2023)
- Flutter Clean Architecture
 - [Udemy](#) - Usama Elgendy (2023)
 - [Udemy](#) - Tharwat Samy (In Progress)
- UI Design | [Udemy](#) (2023) & [YouTube](#) (2021)
- CS50 | [YouTube](#) - A. Gamal (80%)
- Git & GitHub
 - [YouTube](#) - Elzero (2022)
 - [YouTube](#) - BigData (2024)
- Flutter | [Udemy](#) - A. Mansour (2022) & [Udemy](#) - H. Fulaih (2022)
- Dart | [YouTube](#) (2019) & [Udemy](#) - H. Fulaih (2022)
- Java & OOP | [YouTube](#) - Abdullah Eid (2019)
- Design Principles | [YouTube](#) (2019) & [YouTube](#) (2020)