

Amr M Hassan

Flutter developer

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Summary

Highly skilled Flutter Developer with experience in creating performant, feature-rich mobile applications. Proficient in Dart, Firebase, Git/GitHub, and RESTful APIs. Strong understanding of state management, clean architecture, and agile development practices. Experienced in cross-platform development, performance optimization, and local database integration. Excels at troubleshooting and debugging complex issues and has a strong portfolio of successful projects.

Education

- Petroleum Engineering at Suez University. Jul-2024

Experience - Projects

1. Files Rover

(Nov 2, 2022) [Google Play](#) | [GitHub](#)

A powerful mobile app that enables seamless file exploration, analysis, and sharing across multiple platforms.

- Achieved a 50% improvement in app performance by implementing isolates.
- Used streams, which also eliminated app freezes.
- Reduced CPU usage by caching scanning results using Hive local database.
- Implemented a custom routing system like Express in Node.JS to optimize app functionality.
- Utilized local **HTTP servers** for file and information sharing, and **web sockets** for real-time communication between devices.
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2. Sheeaka (E-Commerce)

(Sep 1, 2021) [Google Play](#) | [GitHub](#)

An Android app for clothing store businesses

- Utilized Firebase as the backend, including authentication and database systems.
- Enhanced app performance by 25% by creating separate widgets for different builds.
- Reduced API calls by caching results and only refreshing when updated.
- Improved development process with Dart dev tools.

3. Smart wallet

(Mars 1, 2021) [Google Play](#) | [GitHub](#)

A personal finance tool for expense tracking.

- Utilized Firebase for authentication and database management.

- Created an intuitive expense tracking system.
- Implemented the concept of multiple profiles for a single user.
- Incorporated the ability to add or withdraw money from each profile.
- Implemented the concept of debts to further enhance user experience.

Flutter Relevant Courses

Flutter & Dart - The Complete Guide [2022 Edition] by Maximilian Schwarzmüller on Udemy

The ultimate design patterns with Mosh.

Volunteer Experience

I took the initiative to train and mentor members of the SPE Student Chapter, equipping them with valuable skills in Flutter development.

Skills

- | | | |
|------------------------------|------------------------------|------------------------------|
| • Flutter | • Dart | • Firebase |
| • Git/GitHub | • UI/UX with Adobe XD | • RESTful APIs |
| • State Management-Providers | • Agile Development | • Clean Architecture |
| • MVVM | • CD/CI | • Cross-platform Development |
| • Performance Optimization | • Local Database Integration | • Web Sockets |

Languages

1. Arabic: Native
2. English: Fluent