

Doaa Elhamrawy

Flutter Mobile Application Developer

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PROFESSIONAL SUMMARY

Flutter Mobile Application Developer with hands-on experience building and publishing production-ready Android applications using Flutter and Dart. Skilled in designing scalable architectures (Clean Architecture & MVVM), integrating RESTful APIs, and implementing advanced background audio services. Experienced in managing the full app lifecycle from development to Google Play deployment. Passionate about building high-impact educational applications with clean, maintainable, and performance-optimized code.

SKILLS

- Mobile Development:**
Flutter, Dart, Clean Architecture, MVVM, Provider (State Management), Dependency Injection, App Lifecycle Management, Background Audio Services, Performance Optimization
- Backend & Integration:**
RESTful APIs, JSON Parsing, Firebase Authentication, Firestore, Local Storage, SharedPreferences, Secure Data Handling, Network Optimization
- DevOps & Deployment:**
Git, GitHub, Version Control, Google Play Console, App Signing & Release Management, Play Store Optimization (ASO), Crash Debugging
- Collaboration:**
Agile Workflow, Remote Collaboration, Technical Documentation, Requirement Analysis, Problem Solving

PROFESSIONAL EXPERIENCE

SmartMatrix 2025-11-06 - Present

Developed and maintained production-level Flutter applications for Saudi-based clients. Designed and implemented scalable application architecture following Clean Architecture principles. Integrated RESTful APIs and optimized network handling for performance and reliability. Implemented background services and lifecycle-aware features for improved user experience. Resolved complex runtime issues and reduced application instability through debugging and performance profiling. Collaborated remotely with designers and backend engineers across time zones. Participated in feature planning, requirement analysis, and technical decision-making.

PROJECTS

Mothers Who Raised Great Figures

[Project Link](#)

Religious educational mobile application presenting inspiring stories of influential mothers in Islamic history through structured audio lessons.

Tech Stack: Flutter, Provider, Audio Service, Firebase, REST APIs

Key Contributions:

Designed complete application architecture from scratch.

Implemented background audio playback with lifecycle handling.

Built structured lesson navigation system.

Managed Google Play publishing, signing, and release process.

Optimized performance and memory handling for smooth playback experience.

ACHIEVEMENTS

Delivered Production Apps to Real Users

Successfully delivered production-ready Flutter applications used by real users, ensuring stability, performance, and smooth user experience.

EDUCATION

Bachelor's Degree in Computer Science

2022-02-21 - 2025-06-21

Suez Canal University