

MOHAMED EMAD

Software Engineer — Flutter Developer

Alexandria, Egypt (Open to Relocate)

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Professional Summary

Flutter Developer specializing in cross-platform mobile apps (Flutter, Dart). Skilled in Clean Architecture, BLoC, MVVM, Firebase, and RESTful API integration. Experienced in localization (Arabic/English), authentication, and scalable app design.

Education

Alexandria University

Bachelor of Engineering in Computer and Communication Engineering

– *Relevant Coursework:* Software Engineering, Database Systems, Data Structures and Algorithms

July 2025

Alexandria, Egypt

Experience

Software Engineer — Flutter Developer

2023 – Present

- Developed cross-platform mobile apps using Flutter and responsive web apps with React.
- Integrated RESTful APIs and Firebase (Firestore, Authentication) across 4 applications.
- Applied Clean Architecture, Dependency Injection, and BLoC/MVVM patterns to improve maintainability.
- Implemented localization features supporting Arabic and English languages.

Projects

Deepfake Audio Detection System (Graduation Project) | *Flutter, React, REST API*

2024 – 2025

- Built Flutter mobile app and React web app for deepfake audio detection using Clean Architecture and Dependency Injection.
- Implemented speech-to-speech functionality with file upload/record and integrated ML models via REST APIs.

Muslim Prayer App | *Flutter, REST APIs*

2024

- Developed app with Quran reading, Hadith, and real-time prayer times using multiple REST APIs.

Chatbot App | *Flutter, Firebase Auth, REST API, Clean Architecture*

2024

- Built chatbot app using Flutter and Firebase Authentication with REST API integration and Clean Architecture.

Google Gemini API Competition | *Flutter, Frontend Development*

2025

- Joined Google Gemini API competition; contributed to frontend UI/UX, building interactive user workflows.

Haram Filter App | *Flutter, Firebase, ML*

2025 – Present

- Developing ML-based Flutter app for filtering inappropriate images/videos with secure Firebase authentication.

Technical Skills

Programming Languages: Dart, JavaScript, HTML, CSS

Mobile Development: Flutter, Cross-Platform, Responsive Design

Architecture & Patterns: Clean Architecture, BLoC, MVVM, OOP, Dependency Injection

Backend & APIs: Firebase (Firestore, Auth), RESTful APIs, JSON

Databases: Hive, Firebase Firestore, Shared Preferences

Tools: Git, GitHub, Android Studio, VS Code, Localization, Version Control

Languages: Arabic (Native), English (Advanced)

Soft Skills

Collaboration & Teamwork – Worked effectively with cross-functional teams on projects and competitions.

Problem-Solving – Strong analytical skills for debugging, troubleshooting, and optimizing app performance.

Communication – Clear verbal and written communication with both technical and non-technical stakeholders.

Time Management – Delivered projects within deadlines while maintaining quality.

Work Under Pressure – Capable of handling multiple tasks and tight deadlines without compromising results.

Certifications

Flutter - The Complete Guide (Udemy, 2022)

Flutter Clean Architecture (Udemy, 2024)

Flutter BLoC and MVVM (Udemy, 2024)

Firebase + Flutter Projects (2024 -2025)