

MOHAMED WAGDY ELMASRY

Software Engineer | Flutter Developer

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ABOUT ME

Results-driven Software Engineer and Flutter Developer with 2+ years of experience in building scalable, cross-platform mobile applications for iOS and Android. Proficient in Dart and modern architectural patterns including Clean Architecture and MVVM. Expert in State Management (Provider/Bloc), Firebase integration, and RESTful APIs. With a multidisciplinary background in Business and Data Analysis, I bridge the gap between technical logic and business requirements to deliver high-performance, user-centric solutions. Committed to writing clean, maintainable code and optimizing app performance for seamless user experiences.

WORK EXPERIENCE

Freelance Software Engineer | Flutter Developer Jan 2024 – Present

- Transformed complex business requirements into high-performance, cross-platform mobile applications for iOS and Android using Flutter & Dart.
- Collaborated with clients to define project scopes, ensuring technical feasibility and alignment with UI/UX Aesthetics and industry standards.
- Architected apps using Clean Architecture and MVVM patterns to deliver maintainable, scalable, and bug-free codebases.
- Integrated third-party services, including Firebase, RESTful APIs, and payment gateways, to enhance application functionality.
- Optimized mobile app performance, focusing on memory management and fast rendering, resulting in a smooth user experience across various devices.
- Managed version control and project documentation using Git & GitHub, ensuring streamlined development workflows.

EDUCATION

Bachelor of Business Information Systems (BIS)

Egypt Higher Institute for Commerce and Computers (MET)

- Specialization: Information Security, Business Logic, and Data Analysis.
- Relevant Coursework: Software Engineering, Database Management (DBMS), Systems Analysis & Design.
- Current Status: Pursuing degree with a focus on applying advanced software architectures in real-world business solutions.

PROFESSIONAL DEVELOPMENT

Flutter Mobile Development Program | Egypt Digital Pioneers Initiative (EDPI) Ministry of Communications and Information Technology (MCIT) | [2025 – 2026]

- Specialized Track: Software Development - Cross Platform Mobile App Developer.
- Technical Mastery: Advanced applications using Flutter & Dart, focusing on responsive UI/UX design and Advanced Topics.
- Core Competencies: Implemented Clean Architecture, Functional Documentation, and Unit Testing to ensure code reliability.
- Backend & DevOps: Integrated Firebase services and mastered version control using Git/GitHub.
- App Deployment: Gained hands-on experience in the full lifecycle of mobile deployment for Android and iOS.
- Future-Ready Skills: Applied Prompt Engineering techniques to enhance development efficiency and problem-solving.

PROJECTS

Hungry – Food Delivery Application | Flutter, Dart, Firebase

- Architected a full-stack food delivery application using Clean Architecture and MVVM patterns to ensure scalability and maintainable code.
- Integrated Firebase for real-time data synchronization, user authentication, and cloud storage for product management.
- Implemented Advanced UI featuring smooth animations, responsive layouts, and a modern aesthetic inspired by high-end design standards.
- Optimized Performance through efficient state management (using Bloc/Provider) and image caching, resulting in a 40% faster loading time.
- Developed a functional documentation and performed Unit Testing for core business logic to ensure a bug-free user experience.
- Tools Used: Git/GitHub for version control, Figma for UI/UX prototyping, and Postman for API testing.

SKILLS

Technical: Dart | Flutter SDK | C++ | Cybersecurity Fundamentals | Network Security | Bloc/Cubit | Provider | Firebase | REST APIs | Git & GitHub | Clean Architecture | MVVM | OOP.

Professional: Auditing | Financial Accounting | Financial Reporting | Business Information Systems.

Soft Skills: Problem Solving • Agile/Scrum • Continuous Learning • Time Management.