

Ebram Wagdy

Software Developer | Flutter Developer | UI/UX Designer

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Objective

Passionate Flutter developer and UI designer with strong attention to detail, delivering seamless, user-friendly mobile applications. Combines coding expertise and design skills to build high-performance, aesthetically pleasing cross-platform apps. Experienced in designing intuitive user interfaces, optimizing app performance, and implementing innovative solutions to enhance the user experience.

Experience

Software Developer Intern at pharoxon (Aug 2024 – May 2025, project Incomplete)

Developed control software for the Pharoxon 4CH WiFi + RF relay switch, enabling advanced smart home automation. Implemented real-time control for 4 independent channels, including timers and auto-off functionality, and integrated the system with Google Home and Alexa for seamless voice-controlled automation. Enabled secure remote access and reliable device communication without the need for external hubs, while optimizing firmware for stable WiFi and RF performance to enhance user experience and system reliability.

Top Skills: Embedded System | Esp-IDF | I2C | AWS

Flutter Developer Intern at CodeAlpha Oct 2025 – Nov 2025

Random Quote Generator App: Built a minimal, responsive app to fetch and display random quotes with offline-safe experience and fast startup.

Dart & Flutter Quiz App: Created an interactive quiz app featuring animated splash, difficulty levels, randomized question bank, progress tracking, and results feedback.

Top Skills: Flutter | Dart | Cross-Platform Development | UI Design

UI/UX Designer Intern at Future Interns Nov 2025 – Dec 2025

Golden Smash Restaurant App: Planned UX, user journey, and user flow; designed UI in Figma for a smooth dine-in and takeaway ordering experience.

Fitness X App: Designed a clean, wellness-focused mobile UI with intuitive navigation and calming aesthetics.

Freelancer Collaboration Platform: Developed essential pages

Top Skills: Figma | UX Planning | Wireframing | User Flows | UI Design | Mobile & Web Design

Education Qualification

Bachelor's Degree, Computer Science

Future Academy

Jun 2026

GPA: 2.82 / 4.0 | Grade: B

Activities: IEEE - Organizer

Technical Skills

Core Concepts: [Problem Solving | Data Structure | Algorithms | SOLID Principles | Design Patterns | Agile]

Deployment: [Git | GitHub | GitHub Actions]

Frontend: [HTML5 | CSS3 | Bootstrap | JavaScript | TypeScript | React]

Mobile & Cross-Platform Development: [Flutter | Dart | BLoC | Cubit | Firebase]

Embedded Systems & IoT: [Esp-IDF | I2C | AWS | RF & WiFi Protocols]

UI/UX Design & Tools: [Figma | Wireframing | UX Planning | User Flows | Mobile & Web Design]

Soft Skills: [Research - Team Work - Time Management – Communication Skills]

Projects

Flutter Hub

Developed FlutterHub, a social networking platform for the Flutter developer community, enabling project sharing, content engagement, and real-time updates. Implemented personalized feeds, rich content creation, developer profiles with verification badges, trending topics, and notifications using Next.js, React, TypeScript, and Firebase (Firestore, Auth, Storage). Built with modular components, context-based state management, and a responsive design system to ensure scalability, performance, and seamless user experience.

GrowIQ – Smart Farming App

Developed a Flutter & Firebase mobile application for smart farming, integrating IoT devices, real-time monitoring, and AI-driven insights. Implemented an AI assistant for irrigation scheduling, soil health, crop planning, and pest control (Arabic & English). Designed a real-time dashboard for temperature, humidity, soil moisture, and water level monitoring. Built secure authentication and profile management using Firebase Authentication (Email & Google). Enabled manual and automated IoT device control with machine learning–based Auto Mode. Applied Feature-First Clean Architecture with BLoC/Cubit for state management, `go_router` for routing, and `get_it` for dependency injection. Integrated smart notifications, glassmorphism UI, and smooth animations for premium UX.

Optimized for scalability, maintainability, and real-time performance, supporting multiple concurrent sensor updates and live farm management.

Language

Arabic (Native) | English (Good)