

Youssef Salem Hassan

Flutter Developer

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Personal Statement

Computer Science graduate (Nile University) and Flutter developer with **2+ years of experience** building production-grade cross-platform apps. Skilled in **Clean Architecture, BLoC, REST APIs**, and **Firebase**, with a strong focus on performance, offline-first design, and bilingual (Arabic/English) UX. Passionate about turning complex designs into scalable, maintainable, and user-friendly mobile solutions.

Education

Nile University — School of Information Technology and Computer Science *Giza, Egypt*
Undergraduate Student, Computer Science *2021 – 2026*

- Relevant Coursework: Software Engineering, Data Structures & Algorithms, Database Systems.
- Graduation Project: *Multi-Emotion Recognition App* — AI-based customer sentiment analysis using Flutter and Python (Grade: A).

Experience

Technology 92 *Riyadh, KSA (Remote)*
Flutter Mobile Developer *February 2026 – Present*

- Led delivery of a bilingual workforce management app from API integration to release.
- Engineered an offline-first data layer with cache tiers and a retry queue for network drops.
- Integrated Google OAuth, encrypted token storage, and automatic session-expiry handling.
- Shipped an Android foreground service for a live lock-screen attendance timer.

Digital Egypt Pioneers Initiative (DEPI) *Giza, Egypt (Hybrid)*
Software Development — Cross-Platform Mobile App Developer (Internship) *November 2025 – Present*

- Enrolled in an intensive cross-platform mobile development track covering Dart, Flutter fundamentals, advanced Flutter topics, and Firebase.
- Applying UX/UI principles, unit testing, and functional documentation to build responsive, user-friendly mobile apps.
- Practicing professional workflows including Git/GitHub, prompt engineering, and mobile deployment for Android and iOS.
- Working on a Capstone Project showcasing production-ready Flutter development end-to-end.

Mostaq.com *Remote, Egypt*
Mobile App Developer (Freelancer) *April 2025 – Present*

- Designed and launched multiple Flutter mobile applications for clients across different industries.
- Translated UI/UX designs into responsive and visually engaging interfaces.
- Applied Git for version control and agile task tracking for iterative deliveries.

Route IT Training Center *Egypt*
Flutter Development Diploma *February 2025 – June 2025*

- Completed professional Flutter training covering BLoC, Provider, and GetX state management.
- Built and deployed several cross-platform applications as portfolio projects.

Digital Egypt Pioneers Initiative (DEPI) — Microsoft ML Engineer Track *Egypt*
AI & Software Engineering Trainee *October 2024 – May 2025*

- Implemented Python-based ML and REST API integration in Microsoft's applied learning modules.
- Gained hands-on exposure to cloud deployment and software pipeline design.

Telecom Egypt
Flutter Developer Intern

Cairo, Egypt
July 2024 – September 2024

- Focused on Dart logic optimization, app UI/UX, and Clean Architecture with BLoC state management.
- Integrated Firebase Authentication and Cloud Firestore to extend app functionality.
- Participated in code reviews and cross-team discussions, improving workflow and scalability.

Projects

Technology 92 — Employee Management App

February 2026

- Cross-platform employee productivity app covering attendance, KPIs, profile, and a guided onboarding wizard.
- Built with Flutter, Clean Architecture, BLoC, GoRouter, GetIt, Dio, Freezed, Firebase, and Sentry.
- Full Arabic/English RTL localization, light/dark theming, and in-app PDF/video viewers across 18+ screens.

Personal Portfolio Website (Flutter Web)

October 2025

- High-performance Flutter web portfolio with GetX state management.
- Integrated contact form via EmailJS; optimized UI for static deployment on GitHub Pages.

Gogesh — Full-Stack E-Commerce App

September 2025

- Dual-role buyer/seller app with JWT authentication, PayTabs payment, and real-time chat.
- Integrated a custom REST API backend and managed app state with BLoC architecture.

Multi-Emotion Recognition System (Graduation Project)

July 2025

- AI-based app detecting emotions via text, voice, and video for customer service enhancement.
- Integrated Python (Flask) backend with Flutter frontend via REST APIs.
- Built real-time analytics dashboards, authentication, and admin/employee roles.

Sprints Shop App

July 2025

- Shopping application with secure user authentication, cart management, and payment system.
- Applied Flutter Intl localization for Arabic/English support and custom animations.

Chat App

March 2025

- Real-time messaging application using Firebase Realtime Database.
- Dark/light mode support and modular component structure.

Online Exam App

March 2025

- Quiz app fetching data from REST APIs with search, categories, and favorites.
- Clean UI design principles with local data persistence.

Music Player App

March 2025

- Feature-rich Flutter music player with playlist management and audio controls.
- Custom animations and background playback optimization.

ChargeHub — EV & Gas Station Finder App

September 2024

- Google Maps API, Firebase Authentication, and real-time location updates.
- Interactive UI optimized for performance and responsiveness.

Technical Skills

- **Languages:** Dart, Python, JavaScript, TypeScript
- **Mobile & Web:** Flutter (Android / iOS / Web), responsive & adaptive UI
- **State Management:** BLoC, Cubit, GetX, Provider, Riverpod, MVVM, MVC
- **Architecture:** Clean Architecture, SOLID, Dependency Injection (GetIt), Feature-Driven Design
- **Backend & APIs:** REST, Dio, JWT, OAuth (Google Sign-In), Firebase (Auth, Firestore, FCM)
- **Storage & Offline:** SharedPreferences, SecureStorage, Hive, offline-first with cache TTL & sync queues
- **Testing:** Unit & BLoC tests, `bloc_test`, `mocktail`, golden tests
- **DevOps & Tools:** Git, GitHub, GitHub Actions, CI/CD basics, Play Store / App Store deployment
- **Localization & Design:** ARB / Intl, RTL (Arabic), Material 3, design systems, animations, accessibility
- **Monitoring:** Sentry, Firebase Crashlytics, Talker logging

Soft Skills

- Team collaboration and cross-functional communication
- Ownership mindset — delivering features end-to-end
- Strong problem-solving and debugging discipline
- Clear written communication (technical docs, code reviews)
- Adaptability in agile, fast-moving environments