

ABANOUB ASHRAF EZZAT ZAKI MICHAEL

Software Development Engineer

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Summary

Software Development Engineer with 5+ years of professional experience in Flutter and native iOS development. Expert in building scalable mobile and web applications using clean architecture and modern state management patterns. Proven track record leading cross-functional teams, optimizing performance and infrastructure costs, and delivering high-quality, user-focused solutions across 30+ production applications. Uses AI coding agents such as Claude Code and Codex daily to accelerate delivery while maintaining code quality.

Skills

Technical Skills: Flutter, Dart, iOS (Swift, SwiftUI), Clean Architecture, State Management (Bloc, Riverpod, Provider, Cubit), MVVM, VIPER, RESTful APIs, Firebase, Git, CI/CD (Codemagic), SQLite, Google Maps API, ARKit, OOP, Data Structures, Algorithms

AI-Assisted Development: Claude Code, OpenAI Codex, AI coding agents for daily development, refactoring, code review, debugging and test generation

Soft Skills: Leadership, Problem-Solving, Collaboration, Time Management, Team Management, Effective Communication

Languages: Arabic (Native), English (Proficient, C1), German (Beginner, A1)

Experience

[GLI Global Lean Industry 4.0](#)

Dubai, United Arab Emirates

Software Development Team Leader (Flutter)

01/2022 - Present

Global Lean Industry

- Lead a team of 10+ developers across concurrent Flutter projects, ensuring on-time, high-quality delivery.
- Own architecture decisions and development workflows for the LeanGo platform: 10+ Industry 4.0 apps on Android, iOS and web.
- Refactored legacy codebases of the LeanGo Dashboard and LeanGo CIL applications, both built using Flutter.
- Reduced infrastructure costs by 30% through efficient resource allocation in Firebase services.
- Achieved a 75% bug reduction through continuous testing and feedback loops.

[Blink22](#)

Dubai, United Arab Emirates

Full-time Software Development Engineer (Flutter and native iOS)

08/2021 - 03/2026

Software Development Company

- Developed mobile applications using Flutter, implementing Provider and Bloc state management patterns.
- Built native iOS features in Swift and SwiftUI using MVVM, VIPER and clean architecture for client products, including a UAE government app.
- Optimized performance across multiple Flutter & iOS projects, ensuring a high-quality user experience.
- Collaborated with cross-functional teams to achieve project goals and meet deadlines.

[Wellx AI](#)

Dubai, United Arab Emirates

Contract Software Development Engineer (Flutter)

07/2025 - 09/2025

AI-Powered Health Insurance

- Worked on Wellx, an AI-powered health insurance app that uses behaviour and well-being data to make coverage proactive rather than reactive.
- Built the emotion-tracking module and the tracked-emotions statistics screen in Flutter.

[Blink22](#)

Alexandria, Egypt

Mobile Development Internship (iOS)

07/2020 - 09/2020

Software Development Company

- Developed an image tracking application using ARKit, allowing users to add product names, descriptions, and images, and display recognized products.
- Contributed to various iOS applications using Swift and VIPER Architecture, collaborating with senior developers to implement new features.

[ITSpark](#)

Alexandria, Egypt

Mobile Development Internship (Flutter)

07/2019 - 09/2019

Software Development Company

- Converted an online pharmacy app from native Android to Flutter cross-platform and resolved issues on the Android version.
- Worked on a Flutter online market application allowing users to order from home.

Education

Alexandria University	Alexandria, Egypt
B.S. in Computer and Systems Engineering	09/2016 - 06/2021
Grade: 87.6% (Excellent with degree of honor)	

Projects

LeanGo Platform

Software Development Team Leader (Flutter) 01/2022 - Present

- Leading development of a full suite of 10+ Industry 4.0 manufacturing apps: [LeanGo Dashboard](#), [STM Dashboard](#), STM Mobile ([Android](#), [iOS](#)), CIL ([Android](#), [iOS](#)), MES ([Android](#), [iOS](#)), Trace ([Android](#), [iOS](#)), [HACCP](#), [ARTEX engage](#).
- Built all platform apps from scratch and shipped them to Google Play, the App Store and the web, covering analytics, maintenance, traceability and food safety.
- Built the LeanGo and STM dashboards with Flutter Web, with shared architecture, CI/CD, and responsive, accessible UI.

[Salik](#)

iOS app using SwiftUI 02/2025 - 03/2026

- Contributed to the Salik app for the UAE government, implementing features in SwiftUI using MVVM and clean architecture.
- Worked on key modules including Transactions, Vehicles, Services, Settings, Profile, and News, meeting government-grade quality standards.

[Memo Rush](#)

Personal project using Flutter 11/2025 - 01/2026

- Designed, developed and published an emoji card-matching memory game on the Google Play Store, end to end and solo.

IRIS

Flutter app 10/2023 - 11/2024

- An application for reviewing loan applications for small businesses and shops.
- Set up dev and prod environments using Flutter flavors, enhanced the CI/CD process with Codemagic, and built key verification features.

[MUAB](#)

Flutter app (Education) 04/2023 - 12/2023

- An education ecosystem and social learning network with a personalized, AI-driven feed.
- Built the login, home content feed, explore (user and post search), and user profile screens, plus the block-users feature.

LIBRA

iOS app using Swift 10/2022 - 05/2023

- Implemented user-to-user VoIP calls inside the app, handling all related edge cases.
- Built the invite-a-friend module using text messages and QR codes.

SALT

Project Lead using Flutter 03/2022 - 09/2022

- Led the development team from project inception to production deployment, building the Salt.one app using Flutter.
- Defined the development workflow, including CI/CD tools, state management patterns, modular file architecture, and clean code conventions.
- Developed the Buy and Sell Gold module, the mutual fund investment module, and an AI-powered chat module that helps users track expenses.

[Khatabook](#)

iOS app using Swift 01/2022 - 09/2022

- A business management app built with Swift using the VIPER architecture.
- Built the module for sending and receiving money between users through real, secure bank transfers, plus transaction status and history screens.

ResQ

Android app using MVC architecture 02/2020 - 03/2020

- Developed an app that helps stray animals, letting users find lost pets or put pets up for adoption, using Google Sign-In API and Firebase.

Key Achievements

IRI Hackathon 2019

Achieved 1st place in IRI Hackathon in Egypt with the Haky Shoyyab app.

[Google DSC Solution Challenge 2020](#)

Qualified among the best 13 teams in the MENA region for the semi-final round with the ResQ app.