

EDUCATION

Bachelor of Medicine and Surgery

Cairo University • 2013–2019

WORK EXPERIENCE

Senior Mobile Developer at One Studio

Aug 25 - present (Full time - Remote)

- Lead mobile development initiatives in a fast-paced venture-building environment, collaborating closely with cross-functional teams to design, build, test, and scale new digital products.
- Drive architecture decisions and help transform early-stage ideas into market-ready mobile applications that support the studio's multiple startup ventures.

Mobile App Developer at LoadServ

March 23 - Aug 25 (Full time - on-site)

- Developed and published new applications to stores, refactored and cleaned up code in legacy applications, adding some new features and fixing bugs.
- Conducted technical interviews to hire juniors.
- Introducing CI&CD pipelines using *CodePush*, *Fastlane*, *Github actions* and *Codemagic* to distribute apps to firebase app distribution and Testflight.
- Mentoring juniors, reviewing code and providing feedback to the team leader.

Flutter developer at Invasso LLC

Jan 25 - Present (project-based - Remote)

- Working on "Bagels" apps, a one solution for restaurants
- Develop POS app for managing both online and offline orders
- Support the legacy, code for three apps User and Delivery man apps

Mobile and Web developer as Freelancer

- Completed seven freelance projects focused on mobile and web development.

Other work Experience:

- **Vascular Surgery Resident** at Kasr Al-Ainy Hospitals Sep '21 – Mar 23
- **Prior Approvals doctor** at Omega Care for medical insurance Sep 20 – Sep 21
- **Medical Coder** at CarePlus Project-based 2020-2021
- **Video Editor** at Sat-7 ARABIC T.V channel Jul 2017 – Jan 2018

COURSES

<https://roberraf.github.io/portfolio#courses>

ITI Intensive Code Camp - PHP Full Stack

Information Technology Institute • August 2024

Flutter & Dart - The Complete Guide

By Maximilian Schwarzmüller • Udemy 2023

CS50-Harvard University's Introduction to CS

By Professor David J. Malan

Mahara-Tech Courses

Kotlin, Linux, Database, MySQL, PHP

Algorithms and Data Structure Decoding

by Ahmed Metwally (Metwally Labs)

PROJECTS



<https://roberraf.github.io/portfolio#mobApps>

• ElDahan الدهان

- Three levels nested product options saved in local storage (non-SQL)
- Reorder capability
- Loyalty program & coupons generation
- Local notifying for cart items
- FCM, local notification, analytics

• rydo

- An AI-powered UAE tour-guide app that uses OpenAI + Google Maps to deliver personalized trip recommendations.
- Built a conversational chatbot, integrated map & search features, and enabled context-aware itineraries to help users discover hidden gems and key attractions.
- Offers a premium plans via In-app purchase (**RevenuCat**) for unlimited recommendations.

• ZOD

- An auction app where users bid with points instead of cash
- Implemented real-time bidding via **Socket.IO** (Pusher) for instant updates and integrated secure payments using **PayTabs**.

• Tabali طبالي: client & delivery

- Dynamically calculate products price according to nearest branch, the user's location or delivery address
- Cart cached locally, on opening the app, update cart products price & options according to back-end updates and user current location.

• Kure (under development)

- Medical app where users can reserve an online consultation with certified dermatologists.
- Doctors can add items to the client cart, which may include cosmetics and medications with an E-signed pdf prescription.
- Online consultation via video calling with Picture in picture feature, screen share
- Topic subscription for push notifications to send notifications for available doctors for an urgent consultation
- Deep & Deferred linking

• Homzready

- A service engagement platform, where service providers and service seekers can meet and make deals.
- Social login (google, apple)
- Chat with photos, videos, and files attaching capability
- FCM & Local notifications
- Pdf reader
- User engagement tracking

• Pupilla :

- Kids app that offers pictured books as pdf or played as a video with a narrator, and a quiz (flash game).
- SQLite db (local storage)
- Video player, pdf viewer, flash games player
- RevenueCat payme integration (multiple plans subscription)
- Offline library
- Deep links (generate and handling app opening via link)
- Internet connection checker

• Tizkar (تذكّار) :

- A single-seller app targeting tourists. Orders can be delivered in Egypt or abroad, after estimating a fair delivery cost.
- Multi-lingual support (six languages)
- multi-currency support with real time exchange calculations
- Cart update with proper warning on changes
- Social login (google, apples)
- Data base notifications
- Location distinguishment (inside or outside Egypt)
- Geocoding & reverse geocoding

• Menu Egypt

- A restaurants-guide app to explore food menus of many available restaurants, and order online from some restaurants offering this option.

- **Athoob عذوب**

- Google maps & Custom map markers
- User & delivery interfaces
- Flutter Animation
- Location validation
- Save Cart via Isar local storage
- Moyasar Payment Integration
- Raising Tickets (non-realtime chat)
- Geolocation, reverse geolocation.
- Firebase: FCM, analytic, crashlytics

- **Cloud Kitchen: Client & delivery**

- Caching cart, favorites (Isar storage)
- Background location service
- Customer support chat
- User location to restaurant service area validation
- Paymob payment Integration
- Order tracking
- Dark/ light theme
- Order preparing video streaming.
- Rewarding System
- FCM, local notification, analytics
- User & delivery interfaces

- **Fakkar Game لعبة فكر**

- Game where two teams compete in answering questions of different categories.
- user purchase packages of specific game type and specific number of games

- **Book Cast :**

- Audiobook app. Offers many subscription plans. audio files can be downloaded, it can only be played through the app.
- Background audio player
- Dark & Light themes
- Internet connection checker
- RevenueCat payme integration (multiple plans subscription)
- Offline library
- Deep links (generate and handling app opening via link)
- SQLite db (local storage)

- **Growth**

- An Internal app where four kinds of employee can login, each has a unique interface with specific permissions
- Image picker, images gallery view
- Video picker & player, video thumbnail generator

- **Sawa Real-estate: User & Admin panel, freelance**

- App for real estate company where available units for rent or sell are presented, with filtering and searching abilities
- User & super-admin & admin roles
- Native deep linking for both android & ios
- User permission guard for CRUD operations

- **Hive Manger إدارة المنحل :**

- A freelance application, aiming into helping in managing hives and apiaries
- In app graphs, statistics table
- Open street maps
- To do tasks with alarming notification in the specified time.

S K I L L S

Mobile Development Stack

- Kotlin & Jetpack compose
- Flutter & Dart
- Google Maps & OSM
- FCM, local notifications
- Firebase Crashlytics, analytics
- Background services
- Flutter Concurrency (Isolate)
- Flutter Testing
- DevTool
- Payment Integration

Software Stack

- Clean Architecture
- CI & CD :
 - Codemagic, GitHub actions, Fastlane, and CodePush.
- Version Control
- Clean Code
- OOP
- Agile methodology (Scrum)
- MacOS & Xcode
- Linux OS & Bash scripting
- UI/UX

Web Development Stack

- PHP & Laravel
- MySQL
- Angular
- RESTful APIs
- JS & JQuery
- Bootstrap
- HTML5 & CSS3