Mahmoud Refaat Mahmoud

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To leverage my expertise in mobile app development, gained through extensive experience teaching Flutter to children, completing specialized courses, and developing multiple projects, along with a strong background in Android development using Kotlin. I aim to apply my skills as a Flutter developer to contribute to impactful projects while continuing to grow in the field of mobile app development.

Experience

Aug 2023– Current | Mobile Application Instructor, Ischool

· I have completed more than 700 hours of training Kids and trained over 140 Kids so far .

· Teaching students between 8 to 18 years old mobile app development, And UI/UX Using figma

· Instructing and leading sessions, workshops, introductory sessions, or educational competitions for students.

· Assessing assigned students and providing detailed professional feedback.

Apr 2022- May 2023| Light Current Engineer, Potensia systems

· Thanks letter , From parrotel aquapark hotels for the installed CCTV and WIFI systems.

Mar2021 – Mar 2022| IT department, The Egyptian army

· *Responsible for the data entry team in the IT department.*

Education

Oct 2016 - Jun 2020 | **Bachelor of Computer Science**, Maadi, *Thebes Higher Institute of Management and Information Technology* — Very good

Projects

Chatify — Available on Github (In Progress)

· A Flutter-based real-time chat appthat allows users to send messages instantly. It uses Firebase for authentication, real-time database, and cloud storage to provide seamless communication and data synchronization.

· Used tools: Flutter, Dart, Firebase, Material Design.

weather_today — Available on Github

· A Flutter-based weather app offering real-time updates and forecasts with dynamic themes. It uses state management and integrates with external services for accurate data .

· Used tools: Flutter, Dart, Bloc, Flutter Bloc, Dio, and Material Design.

WorldNewsApp — Available on Github

· A Flutter-based news app that delivers real-time updates from various categories, displaying accurate headlines and articles. It features a web view for full articles and background scheduling for date updates.

· Used tools: Flutter, Dart, Dio, WebView Flutter, and Material Design.

Day Organizer — Available on Github

· An Android application that helps users organize and manage their daily tasks, events, and appointments efficiently.

· Used tools: Kotlin, XML, Room database, Leak Canary.

Islamic app — Available on Github

· An Android application that you can read Quran, Hadith and listen to islamic Radio .

· Used tools: Kotlin, XML,Live Data, REST APIs, retrofit,Leak Canary .

American Sign Language Translator — Available on Github

· GPA : Excellent .

· Android application with java and machine learning used to capture the gesture of hand by mobile camera and interprets these captures into readable text.

Life Organizer — Available on Github

· Flutter App that organizes Your day by making a list of your day tasks.

· Used tools : sqlite and Bloc state management .

Skills

- Flutter Framework
- State Management Solutions (Bloc)
- Flutter Widgets & Custom Widgets
- Git & Github
- DevTools
- Agile Methodology & tools (Jira)
- Design Patterns (MVC , MVVM , MVI)
- Android development (Kotlin)
- Room DB
- Unit testing
- OOP & SOLID principles

- Dart
- Firebase
- Dio and Http
- Sqflite
- Flutter UI/UX Design Principles
- Dependency Injection
- REST APIs
- Retrofit
- Kotlin Coroutines
- Third-party Libraries
- Figma

- Clear Communication
- Mentoring and Coaching

- Educational Pedagogy
- Interactive Techniques

Training and courses

Nov 2024| **Flutter & Dart Complete Development Course,** *Tharwat Samy ,* udemy

May 2024 | **Android Development Diploma** , *by Route* , ***offline***

Apr 2024 | **How to use JIRA,** *by Nezam, Online*

Jun 2023 | **Rx Java & REST APIs,** *coding with nerds , Online*

May 2023| **Android development with kotlin,** *Philipp Lackner, Online*

Mar 2022| **The Complete 2022 Flutter & Dart Development Course,** *Tharwat Samy ,* udemy

Mar 2019| **Android development by Java,** *Prabeesh , Online*

Aug 2018| **Android development ,** *Pixels Egypt , offline*

Jun 2019 | **Java SE,** *Mahara tech*

Sep 2018| **UI/UX Design With Adobe XD,** *Udemy*

Extracurricular Activities

Oct 2024 - Present| Video Editing Volunteer, Sidra
· Created and edited video content to support the teaching of Islamic religious materials.

Oct 2018- Oct 2019| Android Development Instructor, Tree, Student Activity at Cairo University
· Instructor for over 20 CS students and over 30 teaching hours & rewarded as a [Best Trainer] of the year.
· Develop and deliver effective presentations and sessions to help students learn and achieve their goals.

July 2018 - Jun 2019| Contestant, ACM, Student Activity at Thebes Academy
· participated in The 2018 Thebes academy and El Shorouk Academy collegiate programming contest.

Sep 2018 - May 2019 | Contestant, Wildlife Conservation Hackathon , Hackathon At Arab Academy of Science
· Competing to develop a mobile app for wildlife conservation in a U.S. Embassy-sponsored contest.

Sep 2018 - May 2019| literacy tutor, AYB , Student Activity at AinShams University
· A Tutor at AYB believing that we should strive to reduce illiteracy.

Sep 2017- sep 2018 | Head of Design Committee, MUS, Student Activity At Cairo university
· Designed id,certificates , social media posts , flyer , banner.

Languages:

English ━ *Very good*