Ahmed Samir Elserafy

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EDUCATION

Mansoura University – *Bachelor's Degree of Computer Science.*   *2013-2017*
Graduation Project – *Sallefney App with AR Feature.*

SKILLS

- **Knowledge:** Agile Methodologies, Unit Testing, Computer Vision, IoT, AI, and Games.
- **Concepts:** OOP, Data structures, Algorithms, Operating System, Design Patterns.
- **Programming Languages:** C++, C#, PHP, JavaScript, Objective-C, Swift.
- **Technologies:** Firebase, Google Maps, Alamofire, TRON.
- **Version Side:** Git.
- **Tools:** Visual Studio, Xcode, Git, Software Ideas Modeler.

EXPERIENCE

Robusta Studio – iOS Trainee   Egypt, Mar 2020 – May 2020
- I used to focus on code quality, such as how to organize and format code for readability.
- I used to focus on the architecture of iOS project, such as how to implement MVC, and delegation pattern.
- I used to make asynchronous API calls, and use the JSON format to store and retrieve data from the server.
- I used to integrate my project with frameworks like NVActivityIndicatorView, and FBSDKShareKit.
- Understanding Agile methodology, and applying it in practice.

Freelance – iOS Developer   Jun 2020
- **My Responsibilities**: Designed and built advanced applications for the iOS platform.

PROJECTS

Feshar App *(Training Project)*
- Feshar App is an iOS app dealing with REST APIs and token authentication. The app for Movies and Tv Shows lovers. You can add the movie to your watchlist to watch it later and after watching you can remove it from your watchlist, you can search for your favorite movie, and you can share it on Facebook, or Twitter, if you like.
- Using **Design Patterns**, such as (**MVC**, **Singleton**), HTTP Methods, such as (**GET**, **POST**, **DELETE**), **Codable**, and **Core Animations** to build an app for Movies and Tv Shows lovers.

HospiHome App *(Hacktahon Project)*
- HospiHome is an iOS mobile application that helps patients stay at home without concerning for safety by communicating with doctors remotely without putting themselves in risk.
- Using **Twilio Video Call API** to make a video conference between patients and doctors.
- Using **AES Encryption** for credit card payment to enable patients to pay to connect with doctors from around the world.
- Created **JSON APIs**, fetched them from the server by **URLSession**, and using **Codable**.
- Implemented KWVerificationCodeView(**OTP**), Time Pickers, **Table Views**, **Collection Views**, and using user profile interface animation.

Eventtus App
- Mocking Eventtus App is **Events App** to ignite more connections during events, and help people enjoy and benefit the most from events.
- Implemented Chat for users to make them engage with each other.
- Created profile page to make people post and express their own opinions, and added follow/unfollow button to user profiles.
- Built Like Button to allow users to react to posts, and in addition to comments.
- Using **Google Maps,** and **MapKit** framework to find events locations.
- Implemented Camera for capturing photo to create their profile pictures.

- Implemented Registration and Home Page, PageControl, RefreshControl, Search Bar, and Tooltip.

Auction App
- Built Auction App to help users identify what's new in regard to purchase Cars, Real Estates, Furniture, Phones, etc.
- Using **URLSession** and **Alamofire** to get⁄post.
- Implemented Slide out, Menu Bar Slider Animation, Sign Up⁄In⁄Out, and saved login credentials data.

App Store
- Implemented Mocking App Store by fetching data from the server.
- Created horizontal collectionView scroll direction.

YouTube App
- Using **AVPlayer** to play video with animation**.**
- Implemented Slide-in menu, and swipe between sections horizontally, and pull in JSON data from the server to build out dynamic home feed.

Chat App
- Using **Firebase** to create login page, send text messages and images and videos to users, upload them to firebase storage, and fetch them back from database.
- Implemented Image Zooming Animation.

Messenger App
- Using **CoreData** to store text messages in the database.
- Using Core Data Entities to Create, Read, Delete.
- Implemented message bubbles, and tab bar menu.

Facebook NewFeed App
- Using **NSCache** to store images**.**
- Implemented tab bar menu system by **UITabBarController.**
- Using **Core Animations** to create Facebook's image zooming animation.

References

Ahmed Eletol – Technical Team Lead at **Dsquares**
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