

Kareem Mohamed

Mobile Developer (Android Native / Flutter)

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Education

Arab Academy for Science, Technology and Maritime Transport (2017 - 2022)

- B.Sc in Computer Engineering
- Grade: Very Good (GPA 3.3)
- Graduation Project: Excellent "A+"

Tools & Technologies

Android (Kotlin / Java)

- Material Design
- Material Components
- View Binding
- Google Play Services API: Maps, Location
- Architectural Patterns: MVC, MVVM
- Kotlin Coroutines
- Live Data
- Retrofit, Volley

Flutter (Dart)

- State Management: Bloc, Provider
- Restful APIs: http, dio
- Architectural patterns: Clean Architecture

Concepts

- Algorithms
- Data Structures
- OOP
- Restful API
- Clean Code

Database

- SQL
- Room
- Firebase

Code Versioning Tools

- Git
- GitHub
- GitLab

Work Experience

June 2023 - Present **Flutter Instructor at STEM Club**

Alexandria, Egypt

Responsibilities

- Create and manage content for the Flutter development course
- Instruct and lead educational sessions and workshops
- Evaluate and oversee students' overall progress and provide appropriate feedback

March 2023 - March 2024 **Flutter Developer at Future of Egypt**

Alexandria, Egypt

Responsibilities

- Develop and maintain cross-platform applications for mobile and Windows using Flutter
- Coordinate work between multiple departments to ensure quality of final product

Sept 2020 - Oct 2021 **Junior Android Developer at Hwaya Advertising Agency**

Alexandria, Egypt

Responsibilities

- Develop and maintain native Android applications (Dollar Price | El Moled)
- Work closely on the User Interface development process

Projects

- **SafeVault:** A utility app to save passwords in a coordinated and a modern way, as well as private photos in the phone's internal storage. Developed using (Live Data | Room Database | KeyGuard Manager). Link: <https://play.google.com/store/apps/details?id=com.omega.safevault>
- **Chirper:** A Twitter clone application which provides a similar social experience. Developed using (Bloc/Cubit | Firebase Authentication | Firebase Firestore | Equatable | service locator | Flutter Offline | Image Picker). Link: https://github.com/kareem-nehad/twitter_clone
- **News App:** A news app demonstrating new concepts learned with flutter. Developed using (Bloc/Cubit | Dio | Carousel Slider | Shrink Side Menu | Shimmer Effects | Flutter Offline). Link: https://github.com/kareem-nehad/News_App
- **AugVesalius (Graduation Project):** A mobile app that uses augmented reality technology with the aid of Machine Learning techniques in order to provide the user with education, medical news, organs wiki and medical diagnosis. Developed using (Live Data | Retrofit | Room Database | ARCore | Navigation Components | Content Providers). Link: <https://github.com/kareem-nehad/AR-APP>
- **Movies Database (cross-platform):** A mobile app that shows the latest movies in market. Developed using (Bloc | dartz | Equatable | Hero Animations | service locator). Download link: https://github.com/kareem-nehad/movies_app_clean_architecture
- **Breaking Bad Wiki:** A mobile app that provides all information related to the television series "Breaking Bad" and "Better Call Saul". Developed using (Bloc/Cubit | Dio | Hero Animations). Link: https://github.com/kareem-nehad/breaking_bad

Languages

- Arabic (**Native**)
- English (**Fluent**)

Programming Languages

- Java
- Kotlin
- Dart
- Python (Basic)