Mohammed Jbeil

Open to relocate,Egypt

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Education

Zagazig University *Zagazig , Egypt*

Bachelor's degree in computer and systems Engineering *Sept 2019 - June 2024*

- CS technical member at IEEE Zagazig Student Chapter
- **Courses:** computer organization , operating systems , Data structure and Algorithms , Object-oriented programming , Learning Skills through Case Studies,

Work Experience

MysteryHike [Google Play link] [App Store link] *Czech Republic (Remote)*

Software Engineer || Flutter Developer *Sept 2024 - current*

- Migrated Mapping System: Transitioned the app's mapping infrastructure to Mapbox for Flutter, enabling advanced geolocation features and improving scalability.
- Developed Dynamic Map Reveal Feature: Implemented an engaging map reveal system that dynamically unfolds as users explore, enhancing interactivity and user engagement.
- Optimized POI Rendering: Enhanced the rendering of Points of Interest (POI) for secret and discovered places, improving performance and visual clarity.
- Optimized Performance: Improved overall app responsiveness and performance to deliver a seamless user experience during GPS-driven real-world exploration.
- **Technologies used:** Flutter framework ,clean Architecture, Bloc/cubit as State Management , Firebase/Firestore technologies , Mapbox integration , GeoJSON file handling ,Responsive Flutter UI, Error Handling , Dependency Injection and singleton pattern. .

Freelancer *Saudi Arabia (Remote)*

Software Engineer || Flutter Developer *June 2023 - August 2024*

- Collaborated closely with clients to understand project objectives and requirements.
- Developed cross-platform mobile applications using Flutter and Dart and ensuring responsive design across various devices and screen sizes
- Give a hand in testing , bug fixing , debugging to optimize app performance.
- **Technologies used:** Flutter framework, MVVM and clean Architecture, Firebase/Firestore technologies, RESTful APIs, Google Maps / Mapbox integration, Bloc as State Management, Dependency Injection and singleton pattern .

Projects

Hyper Deal [Google Play link]

Mobile App Operating in Kuwait

- HyperDeal is a smart shopping app that helps users find the best supermarket deals and save money on groceries.
- **Key Features:** Users can search for products by category or name, compare prices across multiple stores, and share deals or shopping lists with friends and family. The app ensures that users always get the best prices available, making informed shopping decisions easier and more convenient.
- **Technologies used:** Flutter framework, MVVM and clean Architecture, Bloc as State Management, RESTful APIs, Responsive Flutter UI, pagination, Error Handling, CI/CD, Dependency Injection and singleton pattern.

School Go [Google Play link] [App Store link]

Mobile App connected to backend server :

- School Go helps both schools and parents track the safety of the students during their school bus trip. And aims to provide the best service that helps the bus driver always be in contact with the school and parents to ensure the children's safety. The app was built with native code; my role was to build a new Flutter version.
- The App consists of two main parts **Driver Part:** This part helps to track the bus movement at all times, in regard to route and speed and manage students picking and dropping status . **Parent Part:** Track the bus movement to know exactly when it will reach the desired destination using Google Maps . At the end of the school day, get a notification when the children are boarded on the bus for the return trip and Inform the school about the student absence, change picking point and dropping point.
- **Technologies used:** Flutter framework , clean Architecture, Firebase technologies , Notifications handling , Google Maps APIs, Bloc as State Management , RESTful APIs , Responsive Flutter UI, pagination, Error Handling , Dependency Injection and singleton pattern.

Contributions

voice message package [Link] : Voicey is a flutter package to play voice messages in chats. Also, you can sicking by dragging on voice noises.

Technical Skills

Skills	**Programming Languages :** Dart, C/C++, Java
	Technologies : Flutter Framework, Firebase, Google Maps/Mapbox integration, RESTful APIs, SOLID Principles, MVVM, Clean Architecture, Bloc State Management, Git/GitHub, CI/CD, Agile Methodology, OOP, Data Structures, Algorithms, Dependency Injection, Singleton Pattern.