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Raul Mena

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Experienced mobile developer with over 5 years of native iOS professional experience and over a year of Flutter experience. I significantly contributed to the development of an ADT iOS app and an MVP Flutter app. Committed to continually learning and leveling up my skills in native iOS and Flutter mobile development.

Work Experience

iOS Developer	TKLABS Sunrise, Florida (Remote)	Feb 2019 - Present
<ul style="list-style-type: none">Developed SoSecure by ADT, an iOS app currently supporting over 10,000 active daily users.Developed an iOS SDK used by the client app and by Enterprise apps for ADT partners (Carmax, Lyft).Implemented a Bluetooth service for connecting the app to a Bluetooth accessory (Panic Button).Modularized codebase using Swift Package Manager significantly reducing compile times.Implemented location tracking with Google Maps and video calling with Twilio.Developed a Today widget and a home widget for extended user experience beyond the main app interface.		
Flutter Developer	TKLABS Sunrise, Florida (Remote)	Aug 2023 - Present
<ul style="list-style-type: none">Currently developing an MVP Flutter app for ADT, pending release.Integrated Firebase Firestore real-time database, Firebase Crashlytics and Remote Config.Implemented Bluetooth service and QR scanning capability for connecting the app to peripherals.Built app onboarding flow and other UI flows using BLoC and Provider state management architectures.Added internationalization and robust screen reading / accessibility support.		
iOS Developer Intern	Freedom Scientific Saint Petersburg, Florida	Jan 2018 – Jul 2018
<ul style="list-style-type: none">Built an iOS app for the blind and visually impaired that notifies users when family and friends are nearby using Bluetooth. Added robust VoiceOver support.		

Published App

- Movie Hive** <https://apps.apple.com/us/app/moviehive/id6502784241>
- Native iOS/iPadOS app built with SwiftUI that integrates a Flutter module. The app showcases the seamless and incremental adoption of Flutter by the native environment and the communication between the 2 frameworks.

Technical Skills

- Languages: Swift, Objective-C, Dart.
- User Interface: SwiftUI, UIKit, Flutter.
- Architecture: MVVM, The Composable Architecture (TCA), BLoC, Provider.
- Functional reactive programming: RxSwift, Combine, Dart Futures.
- Networking: REST APIs, JSON, URLSession, Flutter http & Dio.

Education

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| <ul style="list-style-type: none">BSc. Computer Engineering, University of Florida
Honors: Cum Laude (GPA 3.65 / 4.0) | Jan 2014 – Dec 2018 |
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