

# Eduardo Crespo

Android Developer

Miami, Florida (Open to Remote or Relocation)

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## TECHNICAL SKILLS

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**Core** | Android SDK, XML, Kotlin, Java, MVVM, Logging, Gradle, Material Design, Jetpack Navigation, Views Lifecycle

**Data** | SQLite, Room, Retrofit, Moshi, REST, Firebase Realtime Database, Firestore, Internal/External Persistent File Storage

**Other Libraries** | LiveData and Observers, Kotlin Coroutines, Kotlin Flow, Glide, Camera Image Capture, Charting with MPAndroidChart

## NATIVE ANDROID APPLICATIONS

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### Coral Reef Rentals

2022

*Keeps track of rental items through captured images and additional data about an item.*

- Designed and built this mobile application to solve the needs of a small rental business keeping track of and categorizing their rental items resulting in faster order processing and eliminating errors tracking the items.
- Implemented a Room SQLite database which coupled different attributes of an item like an image using the camera API and internal file storage which made the item easy to identify.

### House Mate

2021 - 2022

*House mates share real time data through a reactive material interface.*

- Integrated a remote firestore database to provide users with a quick way to share their data with each other and this streamlined the communication process of creating and distributing tasks.
- Implemented real time updates on changes made by users which reduced confusion when executing tasks.

### Belt Tools

2022

*Helpful set of tools for working with sales, hardware and construction materials.*

- Reduced calculation and managing errors on work tasks while decreasing the time taken to complete them by developing several operational tools and using a SQLite database.
- Successfully recreated this application from its previous version with improved features like a more attractive user interface, a reworked database for customer orders and a MVVM architecture.

### Gym Routine

2021 - 2022

*Keeps track of weight lifting workouts based on sets and reps using 2 one-to-many SQLite relationships.*

- Assembled handy interactive features allowing users to effortlessly edit the weights and repetitions for their workouts and saving the data as user types.
- Created mutable tabs which made it easy to organize workouts into groups.

### Crypto Market

2022

*Lists over hundreds of crypto coins and displays their data including prices using charts along with overall news and information about the cryptocurrency market.*

- Set this application apart from others in the market by enabling users to keep a coin with its chart in view while scrolling through a list of other coins and comparing them to each other in a responsive user interface.
- Programmed a material bottom sheet to slide into view when the user selects a coin, displaying a more detailed interactive chart and further information about the coin.
- Presented overall market data with pie charts and news articles, integrating 2 separate web APIs.