

# Leonardo Acevedo | Android Developer

📍 Buenos Aires, Argentina

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## Skills

**Programming Languages** Kotlin, Java, JavaScript, Python 3

**Android-specific** Android SDK  
Android Jetpack:  
Jetpack Compose, Navigation, Room, RecyclerView,  
Fragments, LiveData, ViewBinding, DataBinding,  
Work Manager  
Bluetooth Classic and Low Energy (BLE),  
Firebase  
Testing: Espresso, Robolectric

**Kotlin/JVM** Dependency injection: Dagger2  
Networking: Retrofit, OkHTTP, Gson  
Serialization: Gson  
Kotlin Coroutines, Flows  
Testing: JUnit, Mockito, Espresso

**Architecture Patterns** MVVM, MVP, MVI, Clean Architecture

**Version Control** Git

## Languages

**Spanish** Native

**English** Upper-Intermediate (CEFR level C1)  
Certificate In Advanced English – Cambridge University

**Mandarin Chinese** Upper-Intermediate (CEFR level C1)  
HSK Level 5 – Office of Chinese Language International  
of the People's Republic of China

## Education

National Chiao-Tung University - Taiwan

Sep 2006 – Jun 2010

### **Bachelor in Information Engineering**

- Computer Science and Information Engineering Department

## Work Experience

Distillery Tech

Oct 2023 – Current

### **Android Developer**

Responsibilities:

- Plan, develop and maintain new features for the Android app for one of Distillery's clients, a US-based, world-renown e-commerce company
- Gather requirements, plan, estimate and execute work, together with other team members and stakeholders.
- Refactor legacy code to company guidelines
- Write, update and maintain unit, integration and end-to-end tests
- Conduct code reviews

National University of Technology – Haedo Regional Faculty

Mar 2023 – Dec 2023

### **Android Programming Instructor**

- Taught a native Android development annual course
- Students are graduates from the Higher University Programming Technical Program
- Contents include the Kotlin language and Android SDK, Jetpack libraries, networking, background work and architectural patterns such as MVP and MVVM

National University of Technology – Haedo Regional Faculty

### **Android Programming Instructor**

- Taught an introductory native Android development during one semester
- The course was open to the broader community

**Freelance Frontend Developer**

- **ViaPool** (transport service company – acquired by SWVL)  
Maintenance of legacy Java-based native Android applications  
Upgraded Android SDK version for them to comply with Play Store minimum requirements.  
Rewrote location broadcasting algorithm of the driver app, increasing robustness and stability  
Fixed other errors  
Tech Stack: Android SDK, Android Jetpack, Java, Google Maps, Google Location Services, Retrofit
- **PopTalk** (communications platform - <https://poptalk.io>)  
Developed Flutter cross-platform mobile app proof-of-concept  
Developed and maintained a Flutter cross-platform mobile app  
Developed proof-concept backend in Python with FastAPI  
Tech Stack: Flutter, Dart, Firebase Cloud Messaging (FCM), Firebase Cloud Firestore, Python 3, FastAPI, Agora.io (live conferencing SDK)
- **Ellie Care** (senior care smartwatch app - <https://ellie.care>)  
Worked on the native Android part of this React Native project  
Improved communication robustness between smartwatch and mobile device  
Tech Stack: Android SDK, Android Jetpack WorkManager, React-Native, JavaScript

PedidosYa – Buenos Aires, Argentina (remote)

Jan 2021-Jul 2021

**Android Developer**

Responsibilities:

- Fixing of software defects on the company's user app
- Help and mentor more junior developers about the Android SDK, app architecture and best practices
- Legacy code refactoring
- Code reviews

Results:

- Replicated complex screen module and all associated logic in order to divide code ownership among two teams frequently in conflict over this module.
- Transferred related knowledge to junior developers by involving them in the development early. This created mentoring opportunities.

Tech Stack: Kotlin, Java, Kotlin coroutines, RxJava2, Retrofit, ViewBinding, JUnit, Espresso, Robolectric, Google Analytics, Dagger, Koin, MVP, MVVM, Jetpack Navigation

### **Android Developer**

- Participated in the development of the various apps and libraries
- Refactored apps and libraries to enforce industry best practices
- Championed best practices, most notably dependency injection, by introducing the team to Dagger Android and Dagger Hilt and becoming the referent for them
- Estimated time to completion of fixes and new features
- Fixed software defects
- Performed code reviews

Tech Stack: Kotlin, Java, EventBus, Retrofit, Dagger Hilt, JUnit, Robolectric, Google Analytics, MVP

### **Android Developer**

- Participated in the development of customer's apps
- Estimated time to completion of fixes and new features
- Fixed software errors on native Android apps
- Refactored apps and libraries to enforce industry best practices
- Performed code reviews

Tech Stack: Kotlin, RxJava2, Retrofit, JUnit, Robolectric, Dagger 2, MVP

### **Android Developer**

Responsibilities:

- Participated in redesign and new architecture of the user app's home screen
- Conducted code reviews both as reviewer and contributor
- Fixed software errors in the home screen and the payments screen

Results:

- Helped migrate the home screen from 100% fixed in the code, to server-side and component-based, much like a simplified Web browser.
- This enabled the home screen content to be dynamic, with potentially infinite calls to action tailored to each user, their country, the local date or the local time

Tech Stack: Kotlin, RxJava2, Retrofit, JUnit, Robolectric, Dagger 2, MVP

### **Android Developer**

- Develop a map- and geolocation-based native Android app in Kotlin
- Fixed software errors in Java-based native Android apps
- Fixed Android-specific errors on a large React-Native app

Tech Stack: Java, Kotlin, RxJava2, MVP, Google Location Autocomplete, Google Maps, Google Play Location Services, Google Analytics, Crashlytics

### **Android Developer**

#### Responsibilities:

- Maintenance of the user app's legacy version in Java
  - This app controlled and monitored one Bluesmart smart suitcase
  - It had no layer separation, making it hard to maintain
  - Connection to the device was unstable, and the app crashed frequently
  - Tech Stack: Java 7 + EventBus + Databinding + Retrofit + SQLite
- Redesign and development from scratch the aforementioned user app
  - Added layer and through Clean Architecture and MVVM
  - Added new device protocols for new models
  - Added the ability to connect to many devices
  - Tech stack: Kotlin + Clean Architecture + MVVM + Databinding + RxJava + RealmDB
- Development and maintenance of factory quality control apps
  - These apps used the same BLE communication layer used by the new user app
- Conducted technical interviews in order grow the Android team

#### Results:

- New version of the user app, designed and programmed from scratch, which:
  - Fixed almost all the crashes of the old app
  - Could reliably connect to 7 smart devices that spoke different protocols (vs. one unstable connection in a single protocol of the previous version)
  - Was easier to work with due to separation of concerns, unit testing and other best practices
- New factory testing apps for factory workers
  - Useful to verify correct functioning of the device's electronics prior to assembly
  - The test apps used the Bluetooth same protocol library as the new user app, and served to verify it's proper working

### **Android Developer**

- Participated in maintenance and development of new features for a collection of country-specific classifieds apps for a leading US-based e-commerce company
- Wrote unit tests
- Conducted Code Reviews

Tech Stack: Java, Retrofit, Gson, ActionBarSherlock, Google Analytics, Google Tag Manager, Crashlytics, JUnit, Mockito Robolectric

### **Android Developer**

Responsibilities:

- Co-developed a native Android companion app for a well-known game franchise
  - Defined the architecture with the approval of the tech lead
    - The tech lead was not inclined to do it themselves, and I saw an opportunity to be proactive
    - I knew I was ill-equipped for defining an architecture at that time, but I relied on my tech lead's mentoring and constructive criticism, which never came
    - I also was eager to learn "the hard way"

Results:

- The architectural basis I had defined was not robust enough, resulting in a high bug backlog, high maintenance cost, and eventually burnout.
- I learned first-hand the importance of a robust system architecture, and how inordinate amounts of work could be saved by investing the right time and talent in the basis of any information system
- This made me strive to become one such talent.

Tech Stack: Java, OkHTTP, ActionBarSherlock, Google Analytics

### **Android Developer**

- Developed an app that used music to help its users learn English, using both the SDK and the NDK on Eclipse ADT (forerunner to Android Studio)
- Developed the corresponding backend using PHP 5 and MySQL
- The Android app performed audio stream manipulation, which is why FFMpeg was used through the Android NDK

Tech Stack: Java, OkHTTP, ActionBarSherlock, NDK, FFMpeg, PHP5, MySQL

## Awards & Recognitions

First Place

May 2013

### **12° National Round of the “Chinese Bridge” Chinese Language and Culture Contest**

- Organized by the Confucius Institute of the People’s Republic of China
- I gave a 5-minute speech in Mandarin Chinese, answered Chinese Culture-related questions and gave an artistic presentation
- The prize was a trip to China with all expenses included, to participate in the following rounds of the contest with other 170 contestants from 70 countries

First Place

Aug 2012

### **Knowledge Contest for the 40th Anniversary of the Sino-Argentine Diplomatic Relations**

Organized by Radio China International

The prize was a 5-day trip to Beijing with all expenses covered

Scholarship

Sep 2005-Aug 2010

### **Taiwan Scholarship for Undergraduate Studies**

- 1-year Mandarin Chinese course
- 4-year Bachelor’s Degree in Information Engineering