

# MANUEL RAMALLO DIAZ

## SENIOR ANDROID ENGINEER

Over 7 years of experience as an Android developer and team leadership. Specialized in software architecture with Clean Architecture and patterns like MVVM/MVI, continuous integration and deployment (CI/CD), automated testing, and optimizing Android applications using modern technologies such as Kotlin, Jetpack Compose, and more. Passionate about technology, continuous improvement, and delivering high-quality products.

## PROFESSIONAL EXPERIENCE

### Senior/Lead Android Engineer at Tyris Software

July 2022 - Present

- **Team leadership & agile project management:** Organized tasks and ensured efficient deliveries using **Scrum/Kanban** methodologies, leveraging **JIRA** and **Confluence**
- **Android app design & development:** Built robust applications with **Kotlin**, **Jetpack Compose**, **MVVM/MVI**, **Clean Architecture**, **SOLID** principles, and **multi-modular architecture**
- Enhanced app responsiveness using **Kotlin Coroutines**, **Flow**, and reactive architectures
- Automated build and deployment processes with **Jenkins**
- Wrote **Unit** and **UI tests** with **JUnit**, **MockK**, **Espresso**, and **Compose Testing Library** (including screenshot testing); enforced code quality with **Detekt** and **SonarQube**
- Integrated **REST APIs** via **Retrofit/KTor**, managed local data with **Room Database**, and used serialization libraries (**Moshi/Gson**).
- Implemented **Dagger/Hilt** and **Koin** for modularity and scalability
- Work with **Github**, **SourceTree**, **Bitbucket** and more system versions control
- Firebase integration: Utilized Firebase for **notifications**, **analytics**, **Remote Config**, and more
- Managed systems of notifications like **Salesforce**, **Firebase**, and **Pushologies**
- **Cross-functional collaboration:** Partnered with product, clients, and stakeholders to align technical solutions with business goals
- **Mentorship & code reviews:** Trained junior developers, promoted best practices, and conducted rigorous code reviews

### Android Engineer at Solutia Innovaworld Technologies

July 2020 - July 2022

- Built native Android apps (**Kotlin/Java**) and hybrid apps (**Flutter**)
- Implemented **barcode/QR scanning** (**ZXing**, **ML Kit**) for efficient real-time data capture

### Android Engineer at Agilia Center

June 2019 - July 2020

### Android Engineer at Sycket Technologies

April 2018 - June 2019

## **EDUCATION**

### **Higher Degree in Multiplatform Software Development in Salesianos de San Pedro**

[Sevilla] September 2016 - April 2018

**Spanish (native), English (Intermediate - B1/B2)**

## **KEY ACHIEVEMENTS**

- Led the end-to-end development and launch of the **Jupiler Pro League** and **Major League Rugby (MLR)** apps from initial concept to **Play Store** publication
- Spearheaded development of **30+ official football** club apps for:
  - Spanish **La Liga** teams (**Sevilla FC, RCD Mallorca, Rayo Vallecano, FC Andorra, etc**)
  - South **American clubs** (**Club América, APF, Club Olimpia, Cerro Porteño, etc**)All currently published on Google Play Store
- Developed and maintained **logistics management** applications for **Correos Express**
- Built and maintained the **official health service** app for **Castilla-La Mancha (SESCAM)**
- Created initial prototype for (**iAgri**) an agricultural app for early pest/disease detection in crops
- Developed and supported **TURBOPOS** - a restaurant order management system for cafes and eateries