



# Adrian Perez Zaldivar

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## Profile

I am a software engineer with more than 4 years of experience working as a mobile application developer, I am a Computer Science engineer and have spent the last 5 years of my career developing custom mobile applications. I am a proactive professional with experience working within multiple companies.

I am intelligent, autonomous, versatile, I am a good problem solver and I integrate well in the team.

I am eager to learn about new technologies, frameworks and tools, I am proficient in native Android and Flutter. In addition to mobile development, he worked in areas such as database, software design and architecture.

## Education

Computer Science Engineering  
University of the Informatics Science

Sept 2012 - Jun 2017

## Courses

Android Advanced Master: Programming Patterns  
<https://www.udemy.com/course/android-design-patterns/>

Master Android Development with Java and Kotlin  
<https://www.udemy.com/course/programacion-android-avanzado/>

Android Advanced Course - MVVM as recommended by Google  
<https://www.udemy.com/course/curso-avanzado-android-mvvm/>

Flutter Advanced - The next level of mobile development  
<https://www.udemy.com/course/flutter-avanzado/>

## Personal details

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## Skills

Java



JavaScript



PHP



Dart



Kotlin



Gradle



SQL



Android



Flutter



NodeJS



# Employment

Mobile application developer (Sep 2017 - May 2021)

XETID

Roles:

- Senior Android Developer.

Android:

- Development of custom applications.
- Calculation and plotting of optimal routes.
- Calculation of distances between points, polygon areas.
- Management of 3D, vector and raster layers.
- Scanning and generation of QR codes.
- Integration with SocketMobile and Datalogic scanners.
- Management of printers with Bluetooth Low Consumption (BLE).
- Encryption of credentials and databases.
- Consumption of REST services.
- Custom PDF generation module with iTextPDF integration.
- Generation of custom report generation of CSV, EXCEL and XML.

- Optical Character Recognition, Live Edge Detection.
- Image processing with background tasks (AsyncTask and Threads).
- Integration with GoogleMaps and MapBox.
- Firebase Cloud Messaging.
- Firebase Push Notifications.
- Pushers.
- Creation of services.
- Management of permissions at runtime.
- Camera management and location.
- Creation and updating of graphs in real time.
- Integration with GoogleDrive, GoogleCalendar, GoogleTasks.
- Google PlayStore administration.

Mobile Application Developer (May 2021 - Dec 2021)

TheCloudGroup

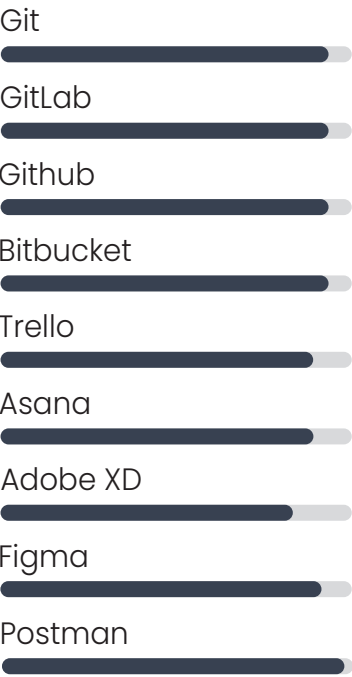
Roles:

- Senior Mobile Applications Developer.

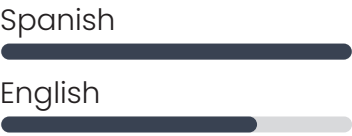
Flutter:

- Integration with GoogleMaps and MapBox.
- Firebase Cloud Messaging.
- Firebase Push Notifications.
- Super base.
- Creation of services.
- Management of permissions at runtime.
- Camera management and location.
- Creation and updating of graphs in real time.
- Scanning and generation of QR codes.
- Communication via WebSockets
- Chat in real time.
- Design and layout of interfaces.

- Administración de Google PlayStore.



## Languages



## Hobbies

- Learning a new technology
- Listen to music
- Playing soccer

# Projects

**Project:** DocScanner

**Company:** XETID

**Date:** 2021

**Team size:** 5 members

**Role:** Senior Android Developer.

**Technologies:** Android, OpenCV, REST, Cypher, iTextPDF.

**Summary:** Project for digitizing documents and uploading to servers in real time using REST services and the OpenCV edge detection library. In this project I played the role of Senior Android Developer and worked with image processing, background threads, databases, role-based authentication and custom PDF creation.

**Project:** Inventory Box

**Company:** PALCO GROUP

**Date:** 2021

**Team size:** 7 members

**Role:** Senior Android Developer.

**Technologies:** Android, REST, QR, Bluetooth, WebSockets, Mapsforge.

**Summary:** Project for the management of containers, international parcels and deliveries that arrive at the PALCO parcel agency. In this project I worked with microservices, QR scanners, maps and real-time location, routes between points, websockets for real-time communication with the backend, databases, push notifications and other technologies.

**Project:** SubzeroOrder / SubzeroDelivery

**Company:** Subzero Inc.

**Date:** 2021

**Team size:** 4 members

**Role:** Senior Android Developer.

**Technologies:** Android, REST, QR, WebSockets, GoogleMaps, Canvas.

**Summary:** E-commerce project for an American ice distribution company, consisting of 2 mobile applications, one for the customer and one for the delivery man. In this project I worked with databases, REST services, two-factor authentication, push notifications, QR readers, websockets, Google MAPS API, screenshot capture using Canvas, and use of the camera API.

**Project:** DSIMCAF

**Company:** XETID

**Date:** 2021

**Team size:** 2 members

**Role:** Senior Android Developer.

**Technologies:** Android, REST, QR, Bluetooth, Room, Cypher, Digital Signature, iTextPDF, Adobe XD.

**Summary:** Inventory control project, developed by me in its entirety, analysis, design, implementation, testing and deployment. This project had a great impact, given that many companies in the country use it, it consists of importing a Database of assets from any statistical system and performing a means check by area, person in charge, location, etc. I worked with REST services, Room-Cypher, digital document signature, custom PDF creation, QR readers, Bluetooth and other technologies.

**Project:** Metojet

**Company:** KAMPAR Laboratories

**Date:** 2020

**Team size:** 5 members

**Role:** Senior Flutter Developer.

**Technologies:** Flutter, Firebase, REST, OAuth 2.0, PDF, Calendar, Push Notifications.

**Summary:** Project to control rheumatoid arthritis. In this application you can make appointments with doctors, save a history of metoject doses, define symptoms, observations and adverse reactions to the medication and define reminders for doses. This project was developed using the Google Framework for Hybrid Flutter Applications.

**Project:** WhoMe

**Company:** The Cloud Group

**Date:** 2020

**Team size:** 4 members

**Role:** Senior Flutter Developer.

**Technologies:** Flutter, REST, QR, WebSockets, Stripe, Location, GoogleMaps.

**Summary:** Project for the search and offer of jobs. The client can register as an employer or as an employee, filling out a profile, where you expose your skills, you will find someone who employs you in an easy and intuitive way. In this application I used the GoogleMaps API, I used websockets for chat between clients and employers, I used payments with Stripe, I used an identity verification mechanism, REST services, handling of the camera API, reading and generating QR codes, among others.

**Project:** Reports

**Company:** XETID

**Date:** 2019

**Team size:** 4 members

**Role:** Senior Android Developer.

**Technologies:** Android, REST, QR, VTM-Mapsforge, SQLite.

**Summary:** Project to facilitate the reporting of positive and negative incidents associated with services and the quality of life of Cubans. In this project I worked with REST services, Process-Maker, runtime form creation, databases, file download and upload, and offline vector maps.

**Project:** MapX

**Company:** XETID

**Date:** 2019

**Team size:** 4 members

**Role:** Senior Android Developer.

**Technologies:** Android, REST, Routes, Room, Cypher, VTM-Mapsforge.

**Summary:** Geographic information system using open source libraries. Maps with multiple layers, vector and raster, calculation of routes, azimuth, areas, distances, among others.