

Miguel (Miquel) Beltran

Freelance Developer (Android, Flutter, ML)

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http://beltran.work

Experience

from 09/2018 **Freelance Software Developer**, *beltran.work*, Berlin, Germany.

- Freelance software developer specialized in Android native development, Flutter, and ML.
- Available both for remote and on-site (Berlin) work.

Technologies and Programming Languages

- Native Android development with Kotlin and Java.
- Multiplatform (hybird) mobile development with Flutter.
- Machine Learning and Neural Networks, with Tensorflow and Keras.

Notable Freelance Work

- Independent Author at Pluralsight.com:
Creating video course for Navigation Architecture Component on Android.

from 05/2016 **Lead Android Developer**, *Good Hood GmbH (Nebenan.de)*, Berlin, Germany.

- to 11/2018
- Development of the Android app for Nebenan.de from scratch.
 - Team leadership and principal engineer for Android.
 - Download: <https://play.google.com/store/apps/details?id=de.nebenan.app>

Technologies and Programming Languages

- Kotlin and Java.
- RxJava, Dagger (later Koin) and Architecture Components (Room, ViewModel, LiveData).
- Unit tests and instrumentation tests using Mockito and Espresso.
- Firebase Analythics, Notifications (FCM), Remote Config.
- Facebook SDK integration for Login.
- Machine Learning applied to Natural Language Processing.

Accomplishments

- First Android developer, built the app from scratch and set the architecture.
- App has 500k downloads and 4.2 stars.
- Refactored entire app from using Realm to use Room.
- Reduced app size from 33 to 15 MB.
- Migrated CI from BuddyBuild to Jenkins.

from 03/2012 **Technical Team Lead and Software Developer**, *castLabs GmbH*, Berlin, Germany, to 12/2015

- Technical Lead for the Mobile Video Player SDK.
- Development of multiplatform software in Java, Obj-C and C++ for Android and iOS.
- Hiring and leadership of a team of six developers, Scrum Master role and product management.

Technologies and Programming Languages

- Development of Android (Java) media player library (SDK).
- Development of Android (Java) applications.
- Native C++ development on Android (JNI) and iOS.
- iOS library development in Objective-C.

Accomplishments

- Promoted to Technical Team Lead and built my own team.
- SDK used by top media player apps like VUDU (5.000.000 Downloads).
- Delivered SDKs to large customers like: Intel, Wall-Mart (VUDU), HBO, DTS, Mubi, Stan.com.au, Primetime among others.
- SDK featured as 2015 finalist of the Streaming Media European Readers' Choice Awards

from 01/2009 **Software Developer**, *Win Systems Solutions S.L.*, Barcelona, Spain. to 02/2012

- Development of gaming and casino management applications.

Technologies and Programming Languages

- C++, C#, Microsoft SQL Server
- iOS Applications in Objective-C

from 08/2006 **Software Developer**, *W-Onesys S.L.*, Sant Cugat del Vallés, Spain. to 12/2008

- Development of a Network Management System platform and embedded hardware controllers using Java and C.

Education

2018 **Deep Learning Nanodegree**, *Udacity*.

2010 - 2011 **Master in Project Management**, *La Salle, U. Ramon Llull*, Barcelona, Spain.

2002 - 2008 **Master and Bachelor in Computer Engineering**, *Facultat Informatica de Barcelona*, Barcelona, Spain.

2006 **International internship in Computer Science**, *Christelijke Hogeschool Windesheim*, Zwolle, Netherlands.

Skills

Programming

Languages Java, Kotlin, Dart

Platforms Android, Flutter

Android Dagger, Koin, RxJava, Retrofit, JUnit, Espresso, Mockito, Architecture Components (Room, ViewModel, LiveData, Navigation), Conductor

Tools vim, git, gradle, Jenkins, GitHub

Design Sketch, GIMP

Machine Learning Neural Networks, Python, Tensorflow, Keras, Firebase MLKit

Management JIRA, Scrum, Kanban, Agile

languages

English	Full professional proficiency
German	Elementary proficiency
Spanish	Native
Catalan	Native

Extra

Public Speaking

- 2018-11-10 **DACHFest 2018**, *Sketchnoting Workshop*.
- 2018-07-27 **Quality People Berlin**, *How to make Android developers HAPPY with QA*.
- 2018-06-26 **Droidcon Berlin 2018**, *No More Tofu - Mastering Emoji on Android*.
- 2018-06-24 **Droidcon Berlin 2018**, *Sketchnoting Workshop*.
- 2018-04-13 **Chicago Roboto 2018**, *No More Tofu - Mastering Emoji on Android*.
- 2018-02-08 **DroidKaigi 2018**, *Say bye to Fragments with Conductor and Kotlin*.
- 2018-01-31 **Berlindroid**, *Say bye to Fragments with Conductor and Kotlin*.
- 2017-11-04 **DevFest Berlin 2017**, *Mastering Firebase Cloud Messaging*.
- 2017-11-04 **DevFest Berlin 2017**, *Roll Your Own DSL with Kotlin (Lightning Talk)*.
- 2017-07-26 **Berlindroid**, *No More Tofu - Mastering Emoji on Android*.

Volunteer

- From 2016 **Organizer/Instructor**, *Google Developers Group Berlin*, Berlin, Germany.
I teach programming at the Women Techmakers workshops in Berlin.
I help to organize meetup events for GDG/WTM.

Coursework

- 2018 **Intro to Data Analysis**, Udacity.com.
- 2017 **Machine Learning**, Coursera.
- 2016 **Reactive Programming in Java 8 With RxJava**, Pluralsight.com.
- 2016 **Shaping up with Angular.js**, codeschool.com.
- 2016 **Android Fundamentals: Data Binding**, Pluralsight.com.
- 2016 **Android Custom Components**, Pluralsight.com.
- 2016 **Gradle Fundamentals**, Pluralsight.com.
- 2012 **Functional Programming Principles in Scala**, Swiss Federal Institute of Technology, Coursera (Online).