


# Francisco José Belchí Martínez

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 <http://www.fjbelchi.com>

## Summary

Fran can be defined as an iOS developer who cares about writing clean code. A software engineer who loves to learn new languages, patterns, architectures, frameworks and techniques. A transformer of zeros and ones into useful apps, problems into solutions.

Github: <http://www.github.com/fjbelchi>

Twitter: @fjbelchi

## Experience

### iOS Developer

Freelance iOS Developer at [fjbelchi.com](http://fjbelchi.com)

Feb 2016 - Present (4 years 11 months +)

I work as iOS developer remotely for clients:

- Canopy Robotics (San Francisco, California)
- Kittyhawk.io (San Francisco, California)

### Senior iOS Developer

Kittyhawk

Mar 2017 - Nov 2020 (3 years 9 months)

Kittyhawk is the drone leading operation platform in the USA. During my time at Kittyhawk I developed three apps: Kittyhawk, B4UFLY and Air Control.

Some of the features and technologies included:

- Extensive use of Map and Core Location.
- Real Time communication and REST API.
- Video Streaming.
- Real Time data between software and drone.
- Offline mode.
- Multiple drone manufacturers supported, DJI and Parrot.
- UTM, Unmanned Aircraft System Traffic Management.
- LAANC, Low Altitude Authorization and Notification Capability. It provides access to controlled airspace near airports.

Built from Swift 2.0 - 5.3, SwiftUI, Combine and Event-Effect driven architecture.

B4UFLY. The FAA has partnered with Kittyhawk to redevelop the FAA's first mobile application, to improve the user experience so that recreational flyers know whether it is safe to fly their drone.

[https://www.faa.gov/uas/recreational\\_fliers/where\\_can\\_i\\_fly/b4ufly/](https://www.faa.gov/uas/recreational_fliers/where_can_i_fly/b4ufly/)

- 1.7 M drones registered in the USA
- Highly improved user experience and feedback, from 1 star to 4.5 stars.
- 99.91% of Crash-free users.



## Co-Founder & Engineer

### Edronic

Mar 2016 - Mar 2017 (1 year 1 month)

Edronic is born with the mission to resolve drone autonomy limitation to provide automated drone operations.

- Developed the first working prototype to charge drone batteries without human intervention.
- Developed an autopilot flight controller to build industrial drones compatible with Ardupilot APM.
- Automated drone operations app for DJI drones.
- Experience with DJI Mobile SDK.
- Studied business models for automated drones with lean startup at EOI Business School.



## Mobile Application Developer

### WorkAngel Technology

Nov 2012 - Feb 2016 (3 years 4 months)

WorkAngel (now LifeWorks) is a social platform for companies to make their employees happy. IOS and Android Developer, iFrandroid, I've worked at WorkAngel since its foundations as start-up.

- Mobile Lead developer.
- Established two teams of 3 people to develop the Android and iOS platforms.
- Establish development workflows and code reviews for both platforms in order to maintain high quality code standards.
- I've worked remotely.
- App used by 15 million end-users from 49,000 companies.



## Software Engineer

### Telefónica

Apr 2011 - Nov 2012 (1 year 8 months)

Telefonica is a Spanish multinational broadband and telecommunications provider.

- Worked in the development of the NFC Mobile Wallet of Telefonica (mWallet). Android, Blackberry and Java developer
- Worked in a Location Based Service (LBS) application for R&D purpose, leading Android development.



## Android Developer

### Monitise Create

Feb 2010 - 2011 (1 year 11 months)

Proud of being part of Grapple Mobile team, the leading mobile innovation and development agency across Europe and North America. Founded in January 2010, I started to work at the beginning of Grapple as Android developer building part of its cross-platform technology.

Grapple works in partnership with the world's leading brands to deliver commercially effective mobile innovation, brought to life with award-winning design & development. Clients include Xbox, adidas, BT and Post Office.

## **Android Developer**

Streya

Jul 2009 - Aug 2009 (2 months)

During two months I worked hard in these two projects:

Yuilop, the first video streaming app between Android mobiles. It include videos geoposition as main feature, but also chat, email invitations and twitter notifications. Yuilop was award-winning the first Android competition organized by HTC and Telefonica MovilForum and also it was finalist in Android Developer Challenge 2.

VoiceTrans, translator with speech recognition (only English) and text to speech in 12 languages. My aim was focus on speech recognition with SpinVox porting J4SC lib to Android. Voicetrans was finalist in Android Developer Challenge 2.

## **Education**



### **Universidad de Murcia**

Computer Science and Engineering

2005 - 2009

- "Pharmaceutical Intelligent Information System to Detect Allergies and Adverse Drugs Reactions based on Internet of Things".
- IEEE International Conference on Pervasive Computing and Communications. Percom 2010.

## **Licenses & Certifications**



### **Certified Drone Pilot**

## **Skills**

iOS • Objective-C • Swift • SwiftUI • Python (Programming Language) • RxSwift • Drones • Test Driven Development • Internet of Things (IoT) • Git

## **Honors & Awards**



### **Finalist as the most creative idea - Diabetes Mine Challenge**

Sep 2010

My first app Glucose Meter for Android was finalist in the Diabetes Mine Challenge 2010