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[Online-CV](#)

Experiences

2014 - PRESENT

CYPE Ingenieros, Alicante - IT Team Leader

Tend to view myself as a generalist since I try not to focus on any given technology. My skills range from **C**, **Java**, to **Python** and **JavaScript**. I have been exposed to a wide variety of technologies in my career and consider myself to be very adaptable.

As a team leader, I am responsible for supervising, managing and motivating team members on a daily basis. Try to be the contact point for all team members, also to act proactively to ensure smooth team operations and effective collaboration.

In these first projects language used was **C**, IDE of development was **Visual Studio** and architecture was **MVC**. Non special comments for these projects, because we have been doing this type of programs for more than 30 years. So they did not suppose any special challenge, except the own management of the tasks, times and resources.

- HVAC

Design of HVAC installations (heating, ventilation and air conditioning).

- CYPELEC

Calculation of low voltage electrical installations according to the Electrotechnical Regulation for Low Voltage. Developed in collaboration with the Electrical Engineering Department of the Department of Mechanical Engineering and Energy of the Miguel Hernández University of Elche..

- Open BIM Health and safety

BIM modelling of the elements required for the Health and Safety Analysis..

At this point we started a new type of applications, which did not fit into the workflow we had in the department. That drive us to redesign a new workflow that would fit with IDEs like **AndroidStudio**, **XCode** or **VisualCode**.

For this new workflow we were investigating which technologies could use and we decide to use **Team Foundation Server** that will allow us, create **Git** projects, manage all development workflow (test, builds, CI) and most importantly for our department, 100% compatible with VSS that we use extremely in our department. So a future migration of the code, would not imply major changes.

Other problem we found is that we must work in an intranet with no internet connection (mandatory) , so we use **JFrog** as dependency repository and many others problems that we solved, this new workflow allow us to use the latest technologies.

- Android BIMserver App **Java, AndroidStudio**
- Android BIMserver Augmented Reality App (in progress) **Java, AndroidStudio, ARCore, Gltf**
- IOS BIMserver App **Swift, Xcode**
- IOS BIMserver Augmented Reality App **Swift, Xcode, Gltf**
- Unity plugin to connect with BIMserver.center (in progress). **C#, VisualCode, VisualStudio**

2007-2014

CYPE Ingenieros, Alicante - Senior Software Engineer

During most of this time I was working in our leading program called CYPECAD, it is a calculation program of structures is composed of many modules, some of the modules that I had the opportunity to design were:

- Beams dimension
- Health & Safety
- Stairs

And also teaching other colleagues who started their careers with us

2003-2007

CYPE Ingenieros, Alicante - Junior developer

At this stage of my career I dedicate myself to learn from my colleagues the importance of developing as a team, maintaining a clean and efficient code. Know when to abstract a concept and when not, and many many other things...

2011-2015

Dayap Corporation, Alicante - CEO

This has been one of my best projects. Three friends with IT profiles decided to set up a startup for the development of mobile applications. We chose a first project that would be an application that would allow us to be aware of the weather forecasts without needing to be continuously looking at the weather reports. This app had to read from some internet sources of meteorological data, then the user had to introduce some conditions that were of interest and if the system detected them, it would notify you. Also this app had a social component where users could also post notifications of real weather to others, and many other things....

What happened? why we are not rich? because we were 100% focused on deploy the best app, with the latest technologies, capable to be scaled, blah, blah, blah, and leaving aside other tasks that were more necessary... we use **AndroidStudio** and **Java** for the front-side, and for back-end we design an AppEngine app on **Google Cloud Platform** with **Java, Spring, Maven** and **Eclipse**.

What did I learn from this whole trip? Do not form a startup with more profiles like yours, it is important to separate the different roles and as much heterogeneous is the team, much better the team is. At least we are still friends and meet frequently to speak about our works.

Skills

Make a list with all the skills that I think I have. Apart from being a bore is also a little blah blah blah. If you want to know more about me. Call me, and we can continue with a coffee or beer depends on the time, it will be funny!!.

Others projects

Really ?? please visit my [online-cv](#) or call me, send me an email or whatever you want. What I'm going to tell you is, why did I start those projects? ... out of pure **curiosity** and **fun**.

Don't think that I'm just a **freaky developer** ... I love spending time with my **family**, playings sports such as **Kitesurfing**, **SUP**, **Snowboarding**, **Inline-skate** and any short of sport that involves speed and sliding.