



## ► Ignacio Soler García

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Age: 40

### Education

Computer Science B.Sc. (2004 – 2005)

UOC

In depth study of computer science, software and hardware engineering. Awarded with an average of 8.5 over 10.

Industrial Electronics Technical Degree (1999)

Salesianos de Sarriá

Study of analog, power and digital electronics including microcontroller programming and motor control.

### Employment

Technical Director (08/2015 – Current)

Ancert

I joined Ancert as technical director with different targets: technical (to improve the development process, to analyze some technical changes with a deep impact on the suite we develop, etc) and human (improve the development team, attract talent, stop team rotation, ...).

I report to the area director and to the general manager while managing 4 development teams composed by 4 developers and 1 team leader.

Some team achievements:

- We started a new development process. It has improved code quality and reduced the number of defects.
- We moved to Agile methodologies. We currently have midterm roadmap, prioritized and estimated backlog, faster deliveries ...
- We added several technical improvements to the suite we develop, increasing productivity and reducing defects. We upgraded our tools and included new ones.
- We gather product quality and development metrics. We continuously monitor these metrics to improve them thru specific actions.
- Team rotation stopped.

## Technical Leader and Solution Architect (03/2013 – 08/2015)

### OMRON

I played two different roles in the company:

As a Solution Architect I was part of a fifteen-person team split between Spain, UK and Japan leading the design of a new application (an IDE for industrial applications) that puts modularity, extensibility and maintainability as key features of the product as it has to be designed to be extended during a 10 year period. I did the high level design with the collaboration of some senior engineers and I collaborated in the low level design and implementation of some key features as well.

Some team's accomplishments:

- ▶ Modularity above expectations. The application has very well defined boundaries and modules are isolated from others.
- ▶ Low defect density. Thanks to strict code reviews and unit testing the defect density values are below the expected ones.

As a Technical Leader I managed a team (the Software Team) composed by all the Spanish developers focused on non-project tasks like developing and building up team's knowledge, defining new work procedures, investigating new technologies / methodologies / products ...

Some Software Team's achievements:

- ▶ Design and implementation of a documentation policy. It has boosted code quality, increased review effectiveness and eased knowledge transfer.
- ▶ Definition, agreement and implementation of a set of unified policies to make company code homogeneous and coherent.
- ▶ Teach several courses about hot topics like MVVM, UnitTesting, TPL to increase team's knowledge and to make developed code homogeneous.

## Department Manager and Scrum Master (01/2013 – 04/2013)

### ALTRAN (DAMM)

I was hired to create a new Industrial Informatics Department in charge of centralizing all the developments requested by DAMM and its subsidiaries. It was created to solve issues like cost deviations and deliveries past deadline.

During this time I created all the department procedures and protocols and implemented Agile practices as a way to reduce deviations and to give to management visibility about the root cause of the previous issues.

The department is currently integrated into the company and the Agile methodologies continue being one of the key elements of its success.

### Senior Developer and Architect (08/2010 – 01/2013)

#### ALTRAN (PICIS)

I was part of a multinational team (Usa - Uk - Spain) in charge of an application to monitor patients and manage their critical care information automating the documentation throughout the high-acuity care areas. The application and its codebase was very big (15 years of continuous development) and developing it was very demanding due to its internal complexities.

Inside the team I had different responsibilities:

- ▶ To design and implement several product features collaborating in all the phases, from requirements to development.
- ▶ To create testing guidelines and to solve several structural problems in this field.
- ▶ To create an automatic deployment / testing system based on VmWare and Tfs.
- ▶ To participate on the adoption of eXtreme programming techniques like pair programming.

Almost all the development was done in .Net (90%) and the rest in C++ and Vb6. Multiple Microsoft technologies were used (Sql, Sharepoint, Tfs, ...)

### Project Leader (01/2003 – 08/2010)

#### SIPRO ENGINEERING

I started working in the company as an industrial developer and after a while I was promoted to senior developer. Later on I was raised to project leader when a vacancy became available.

During this time I was in charge of everything related with project execution, starting with requirements analysis and functional design, continuing with resource management, execution and ending with the project commissioning.

Projects used to have very strict quality requirements due to its very own nature (submarine radar systems, airport emergency energy control systems, etc). We started using .Net from its very beginning and this gave us a competitive advantage so most of the projects were executed using only Microsoft technologies.

### Help Desk, Operations and Development (09/2001 – 01/2003)

#### CUATRECASAS ABOGADOS

I started in the company as a first level Help Desk member. Some months later I was promoted to the second level support department.

After that I was moved to the operations department where I developed internal tools and managed part of the server farm.

Pre-sales support (01/2000 – 08/2001)

## AMB PRODUCTS

Reporting to the sales manager I was in charge of giving pre-sales support of the different devices distributed by the company (uncommon computer hardware). I did some installations on site as well.

## Languages

- Spanish: native.
- Catalan: native.
- English: spoken at B2, written at C1. Used at work on a daily basis.
- Italian: spoken and written at A1. I was working in Italy around 6 months.

## Skills

- ▶ Very good command of .Net platform. Fluent on C# o VB.Net and with some C++/CLI experience. Can teach others.
- ▶ Deep knowledge of the .Net Framework .Net (I have been working with it from its very beginning) and its related technologies like WPF, generics, LINQ, ADO, TPL (Task Parallels Library), WinForms, MSBuild, etc.
- ▶ Experience with all versions of Visual Studio up to 2013 and its common companions like Resharper, Power-tools, etc.
- ▶ Several years working with eXtreme programming (TDD, Pair Programming, Code Reviews, continuous integration) and with Agile methodologies.
- ▶ Expertise using development patterns like SOLID, IoC, MVVM, and others.
- ▶ Used to design complex applications (multithreaded, client-server, 24x7).
- ▶ Knowledge on the most common source control tools like TFS, Subversion, Visual Source Safe, Tortoise, etc.
- ▶ Familiarity with several SQL engines, mainly with Microsoft SQL Server, but Oracle and MySql too.

## Aptitudes

- ▶ I am a responsible person, organized and passionate about my work.
- ▶ I am proactive, enterprising and willing to improve; I like to be involved in whatever I do.
- ▶ I join groups with ease; I'm an easy going person that works well with everyone.
- ▶ Spanish driving licenses A and B1 (car and any motorbike). Own car.
- ▶ I like to have a global view of whatever I do and to be part of it. Striving for excellence is essential for me.
- ▶ I prefer mastering some technologies / fields rather than knowing a bit of everything new that appears on the market.

## Other

- ▶ Knowledge in stock market-related software, I am familiar with many of the concepts of the field
- ▶ Passionate about music. I had in the past a home recording studio.
- ▶ Runner.

## Side Projects

- ▶ I have done different side projects available thru Codeplex and other platforms. Check the most updated list in my web's portfolio (<http://www.ignaciosolergarcia.com>)