Personal Information

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## Work Experience

**Deloitte (Madrid, Spain) (**Jan 2022- current date**)**

Development & Cloud Consultant

Cloud Engineer based in Madrid, developing software for the IoT Industry in .NET Core, .NET Framework and .NET 5 all based on an Azure environment.

**Tokiota (Madrid, Spain) (**Sept 2021- Jan 2022**)**

Development & Cloud Consultant

Cloud consultant in an Azure environment, using .NET Core and .NET 5, Angular and Typescript.
Mainly using C#, and microservices in Azure. Docker and Kubernetes are also used in these environments.

**Internet of Things Sensing Assets (Córdoba, Spain) (**November 2020 - Sept 2021**)**

Junior Software Developer.

Platform development involving asset traceability, from storage, production, managing and reporting stock levels to customer delivery tracing it until its received by satisfied customers. These platforms include human resources, logistics, devices or stock levels.
These solutions are developed by tools like Visual Studio, in ASP.NET web applications, using C#, Jquery, CSS, bootstrap, HTML and Javascript.
I manage the BackEnd and support the FrontEnd development. Also, in the projects that I take part on, we need to send and receive information from/to the devices, trace this information and show it to the clients. This process is also under Visual Studio and ASP.NET same applications, but in the WEB-Api environment. This information, needs to be as efficient as it can reach to be, but also most of them are critical, as for example one of the projects involves gas cylinders filling. We test the communication process by PostmanApi requests, the info is sent by MQTT protocols using Node-Red and MQTT brokers and topics for each client. In terms of Data Visualization I used Grafana (OpenSource tool for time-series) and PowerBi. The Databases we use are hosted in SqlServer. Project development is hosted in AzureDevOps, Client requests are stored by a Jira platform I personally developed when I first got in the company. Git repository is under Sourcetree and Azure Devops. We work with Agile Methodologies, having

daily meetings and talking about problems we faced since the last meeting and made easy also by Asana platform or our Jira application.

**Minsait (Indra Company) (**October 2019-April 2020**)**

Analyst, (Junior Technology Consultant)

ETL process by SSIS , using as Database Sql Server. The client was LoT, the polish airline, and we developed ETL solutions for their ERP, managing huge data efficiently.

In this project I used Sql Server to query huge volume data daily, in order to obtain posible failures in their files, in order to clean the database from errors and correct posible past solutions from maintenance. Also SSIS was the tool that made possible the ETL process for so big amount of data by process automatization daily.

Another project that I took part on, was a Renewable Energy company that was looking for posible investments, I queried and injected data simulating api injection from scratch to test the viability and efficiency of the project in the future. The Database was MongoDb a non relational Db.

**Perez-Llorca Law Firm (September 2018-March 2019)**

 Finance and accounting Intern.

**Sensify Holdings – London (July-August 2018)**

 Finance Department Intern.

## Education

**Artificial Intelligence Master's Degree. (**Feb 2022- current date**)**

 UNIR University

**Big Data & Analytics Master's Degree.(**Oct 2019- Sept 2020**)**

 EAE Business School.

**James Cook University SINGAPORE.(**2017- 2018 Course**)**

 Bilateral agreement.

**CUNEF (Colegio Universitario de Estudios Financieros)( 2015 – 2019)**

Bachelor of Business Administration.

**Fomento-Fundación**.( 2013 – 2015)

(High-School)

**Colegio Jesús-María Madrid.**(2000 – 2013)

Primary & Secundary.

## Programming languages & Tools

**C# & .NET**

In my current job I use Visual Studio to develop web applications and also to send or receive Api data in the IoT projects that I take part on. This is the inventory, human resources and logistics made easy, as they can acces their data in user-friendly platforms and be updated in all parts of the process that their companies participate.

**SQL & SSIS**

Great ability to query complex data in T-SQL language as I have worked with SQL-Server for the 6 months that I spent at Minsait, the Master in Big Data & Analytics and in IoT Sensing Assets. Handling complex queries, data extraction, transformation and loading through SSIS and daily queries for proper database maintenance.

**Python**

While I coursed the Big Data & Analytics Master's Degree I have used Python to create a predictive model for the prediction of soccer results in the Master's Final Project. For this project we developed and studied both regressions and predictive models, histograms...

**R**

Knowledge received through the Master in Big Data & Analytics, using Rstudio both to carry out a K-neighbors study from different databases, and for WebScrapping.

**Tableau**

Tableau was used for efficient visualization of the data obtained in the Master's Final Project as well as many other projects carried out during the academic year.

**PowerBi**

Data Visualization to obtain weak points and to improve client performance (on my current position at Internet of Things of the Sensing Assets), including in the platform created for each client with statistics that will help improve their efficiency for the future.

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|---|---|
| **Grafana** | Opensource tool to visualize time series of an Internet of Things client with critical data, to obtain conclusions and a results' temporal analysis and efficiency. |
| **MQTT** | MQTT communication protocol info delivery between devices in an IOT area. |
| **Node-Red** | Tool used to send and receive information by subscribing or sending information to different topics, improving the information delivery process in time and resources. |
| **Jquery** | This is the language we used in Internet of Things of the Sensing Assets projects to control and trigger events based on user interaction with the web applications. We use bootstrap and datatables for an improvement in both appearance and speed of the platforms. |
| **HTML-CSS** | We use both languages to create a suitable web development structure on our IoT Sensing Assets platforms. |
| **Docker & Kubernetes** | In my current job at TOKIOTA we learn how to develop in small and lighter containers the apps or platforms in order to reduce CPU consumption for a better cloud environment. |

## Languages

**Spanish**:     Native.

**English**:     I have worked in London for several months, in contact with clients in English for both maintenance and development of new solutions. International experience as I have coursed a full academic year in Singapore.

## Other Certificates, Courses and Diplomas

**Mayo 2020**     **Writing Efficient R Code. (Datacamp).**
https://www.datacamp.com/statement-of-accomplishment/course/c5b60244f5cb72ae0e56d2c10846e809f38d7f54

**Mayo 2020**     **Case Study: Exploratory Data Analysis in R. (Datacamp).**
https://www.datacamp.com/statement-of-accomplishment/course/d9068b72d69475e85a350bf9d1f34619dac1bcee

**2018**     **Scuba Diving Certificate (PADI) (Malaysia).**

**2017**     **Business Management & Analysis Diploma.**