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**Summary**

Software engineer with over 7 years of technical knowledge and work experience, developing applications in different disciplines. With one year experience as team lead at University of Francisco de Vitoria in Madrid. Co-founder and one year CEO of TimeScratchers association. Focus on the quality of the products and meeting deadlines. Strong problems-solving skills and team member. Eager to learn new technologies and develop them at the company’s service.

**Keywords / Skill Set**

Agile/Scrum, HTML5, CSS3, JavaScript, jQuery, NodeJS, Angular, AngularJS, ReactJS, Bootstrap, Less, C# .Net, .Net Core, ASP.Net MVC, Web API, T-SQL, Git, Gulp, Karma, Nunit, JasmineJS, Selenium, KnockoutJS, LINQ, Entity Framework, SQL Server, MySQL, Oracle, Access, NHibernate, Dapper, OData, Java, C, C++, VB, Windows Forms, ADO, DAO, Linux, Windows, SVN, Unity 3D, Waterfall, SOLID principles.

**Education**

2011 **Bachelor of Science in Computing Engineering** University of Seville

2000 **Certificate of higher technical in software development** I.E.S. Julio Verne, Seville

**Courses**

2016 **Course 20480B: Programming in HTML5 with Javascript and CSS 3** [diploma](https://github.com/jorgesanchezfernandez/CodePortfolio/blob/master/Microsoft%20courses%20diplomas/HTMLCSS3Javascript.pdf)Microsoft gold partner

2016 **Course 20486B: Developing ASP.NET MVC Web Applications** [diploma](https://github.com/jorgesanchezfernandez/CodePortfolio/blob/master/Microsoft%20courses%20diplomas/Course_20486B-Diploma_58.pdf)Microsoft gold partner

2016 **Course 20487B: Developing Microsoft Azure and Web Services** [diploma](https://github.com/jorgesanchezfernandez/CodePortfolio/blob/master/Microsoft%20courses%20diplomas/Course_20346C-Diploma_110.pdf)Microsoft gold partner

2019 **Scrum Master + Agile Revolution + Leading Scrum Teams** [diploma](https://www.udemy.com/certificate/UC-G7YQ1XIE/) Udemy

2019 **Microsoft Course DEV277x: Object Oriented Programming in Java** [diploma](https://courses.edx.org/certificates/c91a8aa280814efd8a9098faf637ee65) Edx

2019 **Specialization program: OSS Development, Linux and Git** [diploma](https://www.coursera.org/account/accomplishments/specialization/certificate/37A3AXSETYZG) Coursera

2019 **Microsoft course DAT208x: Introduction to Python for Data Science** [diploma](https://courses.edx.org/certificates/0805763e0e27434bba90b81e66a72bd0) Edx

2019 **Microsoft course DEV250x: MVC Application Design using .Net Core 2.0** Edx

2019 (Currently) **The Hong Kong University: Front-End Web Development with React** Coursera

**Certificates**

2016 **Microsoft Specialist: Programming in HTML5 with** **Javascript and CSS 3** [Official Certificate](https://www.youracclaim.com/badges/97a25661-fc54-45e9-905f-5b330d2a0eea/public_url)

2019 **Scrum Alliance:** **Certified ScrumMaster (CSM)** [Official Certificate](http://bcert.me/szrdavlzf)

**Languages**

Spanish: Native, English: Fluent, French: Basic

**Experience**

**Training period** (6 July 2019 – Currently )

**Key technologies: .Net Core 2.0, Java, Python, Git, OSS Development, Linux, Scrum Master.**

Improving skills with new modern market technologies within the following courses:

Front-End Web Development with React, MVC Application Design using .Net Core 2.0, Introduction to Python for Data Science, Object Oriented Programming in Java, Open Source Software Development Methods, Linux for developers, Linux tools for developers, Using Git for distributing developers, Scrum Master certified.

**Software Engineer** (29 Oct 2018 – 29 June 2019) Public Health England (P.H.E.)

(<https://www.gov.uk/government/organisations/public-health-england>)

**Key technologies: C#, ASP .Net MVC, Web API, Angular, .Net Core, LINQ, Nhibernate, Unit Tests, HTML5, CSS3, Javascript, TypeScript, JasmineJS, Git, SQL Server, Resharper, Jenkins, Selenium.**

Software engineer in a ‘Big Data’ project at Public Health England.

**‘Fingertips’ project:** [**https://fingertips.phe.org.uk/**](https://fingertips.phe.org.uk/)

* Developing and maintaining PholioVisualisation Web API, incharge to provide data from pholio database to final users.
* Coding in IndicatorsUI angular application, that it is a SPA that displays charts and tables with the information related within the indicators and geolocation by differents comparators and groupings.
* Implementing features in Fingerstips Profile Manager (FPM), incharge for creating data, indicators and settings for specific users, by area, indicators groupings, categories, etc...
* Supporting the code testing integration with NUnit and Jasmine .
* Keeping the application in good health and the users satisfactions.

**Key projects:**

* Design and coding the whole system for generating data and formatting in csv files with custom data selected by users.
* Integration of Google Analytics API into Fingerstips project.

**Associated Software Engineer** (27 Mar 2017 – 26 Oct 2018) Abcam biotechnology company

**Key technologies: C#, ASP .Net MVC, Web API, LINQ, Nhibernate, Dapper, NUnit, KnockoutJS, HTML5, CSS3, Sass, Javascript, ReactJS, GraphQL, D3JS, JasmineJS, Karma, Gulp, Git, SQL Server, Bower, Puppets, Resharper, TeamCity.**

At Abcam, I was involved in the migration and development of inner web applications into a new system that contains a middleware developed by Oracle.

**‘Pricing Management’ project:**

* Developing Web API REST Service that controls the products prices in multiple countries and currencies, and validate the new price updates. It has communication with Oracle middleware system to handle all the price changes every week, and others services that provide regions or organisations.
* Implementing a SPA that controls the uploaded prices from a spreadsheet, displaying a validation list of new prices, paginating a list of agreements ́status, creating or updating new agreements, organisations and discounts.
* Supporting the developed code with Unit, Smoke, Regression and Integration test to ensure the code built.
* Creating the performance test environment launcher in C#, that run test in Apache Jmeter, and integrates into TeamCity continuous integration platform.
* Responsible for developing a system that optimize the time that massive amount of data is created for performance tests. This system insert every week, millions of records in the database and optimize the time and memory necessary to add it. Besides control the amount of data created, improving the performance time of the ran test.

**‘Labelling’ project:**

* Responsible for displaying hierarchical structure of antibodies products within accordion model. The construction is made of a recursive knockoutJS template that show the data hierarchy more efficiently with Bootstrap.
* Developing a system that provide a bunch of proper printers for a product, besides to create the proper template for the corresponding antibody vial.
* Refactoring Web API code, that process the information of antibodies vials as the expired date, stored temperature, light sensitivity and create from there a hierarchical structure to feed the SPA recursive template.

**Junior Software Engineer** (24 Oct 2016 – 25 Mar 2017) Everis (NTT DATA Company)

**Key technologies: ASP .Net MVC, C#, Web API, LINQ, EF, OData, AngularJS, HTML5, CSS3, Javascript, SVN, Oracle, Castle Windsor, JIRA, Confluence.**

As Junior software engineer, I worked into a project for Spanish Treasury. It is a project that unify all purchases for the Spanish government to have a cheaper price and save money from taxpayers.

**As a web Developer I was responsible for:**

* Developing an MVC web application that displayed products to be sold, had a control of sellers and the official agreements that those are added. Customers (public entities), that connect to that platform to receive better prices, purchases of customers and control of agreements (a public government “amazon”). The system was able to register the digital signature process with Microsoft Workflow foundation of the Spanish officials for the new agreements.
* Responsible for developing a Javascript framework for an automatic UI tab system interface. The framework was able to create automatically the necessary relations tabs depending on the data in the database and its relations, and generated the correct navigation flow between them.
* Supporting Juniors developers in the construction of proper code and provide knowledge about good practices.
* Attend and contribute in scrum stand ups to improve the project progress.

**Key projects:**

* The project had a time deviation problem that we fixed.
* Work under pressure, fast and with strong quality code.
* Cooperation and teach to junior members of the team.

**Freelance Web Developer** (1 Feb 2013 – 14 June 2014) Freelance

**Key technologies: HTML5, CSS3, Javascript, Gimp.**

I was responsible for developing websites, adding value as a marketing assessor. Several companies were involved in this role as Car’sne and Frisemi.

**As Web Developer I was responsible for:**

* Being close to customers for requirements acquisitions.
* Control the development process and customers feedbacks.
* Analysing, designing websites of several companies.

**Key projects:**

* Scheduling the project process.
* Adding whole web content for visual presentation and commercial expectations.
* Meeting feedbacks with which deliver a better product according to the customer needs

**Technical Team Lead / Videogame Programmer** (10 Jan 2011 – 30 June 2012) University of Francisco de Vitoria

**Key technologies: Unity 3D, C#, Agile/Scrum, Assembla, SVN, Playmaker, N-GUI, Pathfinder, Photoshop, internal tools, HTML, CSS, jQuery, Moodle.**

*Cube* and *The pilgrim's codex* are two projects with the same aim: to serve as an educational tool for student evaluation and an educational visual adventure. The goal of the project was to research how students respond to alternative educational methods.

**As technical team lead in *Cube* my responsibilities were:**

* Supervise development and encourage team commitment with weekly meetings.
* Meeting with producers to review deadlines, aims and general work.
* Team-building motivation through goal-focused activities.
* Schedule the plan for the project requirements.
* Doing reviews to improve the team members abilities.

**Key projects:**

* Take lead after a two months delay and deliver on projected deadline.
* Include extra content after successful project completion.
* Learn different motivating techniques and activities.
* Design the game manager, make it modular for the future or unexpected new game modules.
* Getting prize award. (Check awards section).

**As a software engineer in *The pilgrim's codex* my responsibilities were:**

* Programming our own internal tools, UI behaviour, game logic, player behaviour, navigation system, animations and cutscenes, camera system and mini games.
* Game-testing and fixing bugs.
* Attend daily and weekly scrum meetings.
* Contribute to build the internal and corporative website [codex.ceiec.es](http://codex.ceiec.es/)

**Key projects:**

* Design and develop environments and event-trigger interaction sequences.
* Extending the editor with own tools such as dialogues tool, camera rails tool, localization files tool and sound tool.
* Contribute with principal ideas that added value to the game. (True cultural legends explained with mini games along the story).
* Fixing more than 100 bugs myself.
* Getting several prizes awards. (Check awards section).

**Junior Analyst Developer Internship**  (1 Jun 2010 – 30 Nov 2010) Virgen Macarena Teaching Hospital

**Key technologies: C# .Net, Microsoft Visual Studio, ADO, Oracle.**

Gescontrata SAS was a multi-purpose tool to compact all medical deliveries from every health centre in Andalusia (Spain), in order to reduce costs in public spending.

**As Analyst-Programmer my responsibilities were:**

* Design and build an Oracle database and prepare all necessary queries.
* Understand all different procedures and build a stable application.
* Write documentation.
* Develop unit tests, debugging and QA.

**Key projects:**

* Only myself developing, finished the application within 6 month from scratch.

**Junior CEO, Co-founder & Junior Scener programmer** (Jul 2005 – Nov 2007) TimeScratchers/Nivel21

**Key technologies: C#, Visual Studio, Ogre, GLSL, OpenGL, Ogre.**

Co-founding and managing the organisation and programming as shader specialist.

**As CEO, Co-founder & Junior Scener programmer my responsibilities were:**

* Managing the association, creating association structure and statutes.
* Guiding meetings and creating all necessaries activities to reach the association aims.
* Programming as a developer member to the team lead service.

**Key projects:**

Two times, first awards position in demoscene competition in two different disciplines.

**Junior Programmer** (June 2002 – Aug 2002) A.S.I.A (SISACTEL)

**Key technologies: Visual Basic, MS SQL Server.**

Programming inner applications for windows in Visual Basic and Microsoft SQL Server.

**As internship junior programmer my responsibilities were:**

* Coding inner applications that support the inner company activity.

**Key projects:**

* I developed myself an application for collecting survey data.

**Freelance Junior Programmer** (Sept 2001 – Apr 2002) Freelance

**Key technologies: Visual Basic, ADO, MS Report, Access.**

Designing and programming software for stock and selling control for a company of repairing and selling industrial cold machines.

**As freelance junior programmer my responsibilities were:**

* Coding inner applications that support the inner company activity.

**Programmer / Devops Trainee** (Jul 2000 – Feb 2001) A.S.I.A (SISACTEL)

**Key technologies: Visual Basic, Access.**

Supporting users with database blocking and problems, and database maintenance.

**As internship junior my responsibilities were:**

* Coding inner applications that support the inner company activity.
* Support and maintain the databases.

**Key projects:**

* I devised, design and development myself an application that shows only the icons that a user is right to use. The system shows different account pictures of landscapes in every access. (The same concept that Windows 10 entrance has).

**Higher Technical Software Developer Internship** (Mar 2000 – Jun 2000) O.C.P.

**Key technologies: Visual Basic, Access.**

First job experience in software development within a company.

**As Higher technical software developer Internship my responsibilities were:**

* Coding and building software.
* Creating the supporting database.

**Key projects:**

I finished with the highest score qualification in the practices per person.

**Volunteer experience**

Co-founder of a visual art association ‘Timescratchers’, making technological audiovisual computing performances.

Junior CEO of TimeScratchers / Nivel 21 association for 1 year. <http://timescratchers.untergrund.net/>

Leading teams in social action organisation, for more than 7 years, as a voluntary in social actions projects and educational events, and performed with social methodologies. <https://scoutsdesevilla.com/>

**Awards and fellowships**

Best Educational Application for students 2013 ‘Q-B’ I Edición de los premios Simo Network. <https://www.ifema.es/simo-educacion/noticias/simo-network-da-conocer-ganadores-premios-simo-edu>

Best Cultural Game 2012 El codex del peregrino (The pilgrim’s codex) Fun & Serious Game Festival.

<https://www.videojuegosvascos.com/eventos-de-videojuegos/videojuegos-ganadores-2012-hoplay-fun-serious-game-festival-vasco/>

Best Game 2012 El codex del peregrino Asociación de telespectadores y radioyentes de Asturias.

<http://dii.ufv.es/?p=170>

Finalist Videogame 2012 IV Mercado Internacional de Animación, Videojuego y New Media 3D Wire.

<https://www.panoramaaudiovisual.com/2012/09/24/los-proyectos-mas-innovadores-de-animacion-se-daran-cita-en-3d-wire-2012/>

Special distinction on capstone university project "Rolling Block Maze" video game.

Highest score on capstone university project with letter of recommendation of Dr. of mathematics 'Victor Alvarez Solano' (valvarez@us.es).

First prize, Category "PC Demo" in BcnParty 2006 "BgParty 2007 Invitation".

<https://demozoo.org/parties/1100/>

First prize, Category "Fast PC Demo" in BcnParty 2006 "ChocolataLand".

<https://demozoo.org/parties/1100/>