

Francisco Rosa Herrero

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Software Developer with ten years of professional experience building solutions using Microsoft tools (C#, ASP.NET, and SQL Server), JavaScript, and diverse web frameworks/libraries. Experience includes management of offshore teams and significant contributions to automating and improving internal development processes to improve efficiency and code quality. Communication skills in Catalan, Spanish, and English.

EXPERIENCE

Web Developer - Team Lead, Grupo Planeta (www.planeta.es) - Barcelona // Aug 2018 - Dec 2020

Worked as a web developer for the learning and universities division, working on a solution for managing the courses' recruitment websites, the enrollment and the integration with learning platforms. Last 4 months I acted as team lead managing a team of 6 developers, 2 QA and 1 BA

- Integration of two brands having to merge their data (students, enrollments, courses ...) to preserve their history
- Solution for changing a conflicting NAS cabin where the documentation generated during the enrollment process (students and courses) was housed.
- I modified the two main applications behavior to historicize the huge documentation that was generated in the enrollment process. Backup processes were simplified and the application performance was improved.
- I wrote an script in SQL to avoid a known exploit on the websites CMS that allowed to create super users.
- I participated as team lead in the upgrade of 3 Dotnet Nuke CMS, providing technical and functional help when required and carrying out the deployments.
- I finished a critical project for the organization such as the exercises/tests editor migration from Flash to HTML5.
- As a team lead I participated planning and executing to change the application's payment provider due to a European regulatory change (3DS).

Technologies: ASP.NET, ASP.NET API, C #, HTML, CSS, Canvas, Javascript, jQuery, SQL, SSIS, IIS, CMS DotnetNuke

Web Developer, Wivi Vision (wivivision.com) - Barcelona // Oct 2018 - Apr 2019

Due to a confidentiality agreement, it is not allowed to me to show publicly any description of any task nor any technology during my time in this startup.

Web Developer, Educo (educu.org) - Barcelona // Mar 2018 - Aug 2019

NGO to watch over and safeguard the rights of children. I was covering a maternity leave for 6 months.

- Built a responsive crowdfunding component in Kentico CMS integrated with Redsys payments and Paypal. Used C#, Javascript, HTML, CSS and Kentico components.
- Fixed bugs on the website, also in Kentico CMS.
- Refactored Javascript code according to SOLID principles.

Technologies: C#, Visual Studio 2012, MS SQL Server, ASP.NET, HTML/CSS, JavaScript, JQuery

Web Developer, Mission Communications (mission-communications.net) - London // Aug 2016 - Nov 2017

At Mission Communications I was able to work on several web development projects for clients in diverse industries, and in particular I made significant contributions to the development of sightseeingpass.com

- Built a responsive e-commerce website (not yet deployed) and news/blog content that integrated with Facebook, Instagram and Twitter. Used Web Forms, C#, Bootstrap and jQuery.
- Built a private password-protected property management site to display details on available properties (images, description, plans, etc.) in London with a slide show built using the Slick JavaScript library and Typescript. The site enabled agents to send individual or bulk emails to registrants and upload PDFs with property data for download. Built in Web Forms, C#, jQuery and Bootstrap.
- Converted business critical websites to web apps using ASP.NET to improve debugging capability.
- Migrated several websites to TFS source control to enable developers to work locally, replacing a problematic FTP solution.
- Implemented new API endpoints and fixed bugs in the company API. The API was developed using MVC architecture with an Entity Framework pointing to a MS SQL Server database with Postman to carry out endpoint testing.
- Refactored code according to the SOLID principles.

For client Sightseeingpass.com

- Built a new back-end feature for sightseeingpass.com to manage all images related to a tourist attraction, including validation of image presence and size. Feature enabled users to upload multiple images at once and sort them via drag and drop. Used Web Forms, C#, jQuery, and MS SQL stored procedures for CRUD operations.
- Developed a new sightseeingpass.com feature for users to create custom itineraries for New York bus tours with ability to select date and attractions from a list (using data from company API), creating a Google Map with most efficient routes. Used Web Forms (user controls for each itinerary day), Bootstrap, C#, JQuery, ASP.NET handlers, and internal APIs.
- Built a feature using company API to compare data between systems with alerts for any differences. Solution enabled users to update disparate data through the website database or the central system database in one click and allowed team to check consistency between systems. Used MS SQL Server, internal API, and C#.
- Wrote unit tests to validate URL rewriting and accuracy for pricing (number of people, type of delivery, type of card, etc.).

Technologies: C#, Visual Studio 2012, MS SQL Server, ASP.NET, HTML/CSS, JavaScript, IIS

Web Developer, Membership Engagement Services (membra.co.uk) - London // Aug 2015 - Aug 2016

Implemented new features and functionality to a site used by NHS hospitals to gather and present survey data to users.

- Added responsive web features to improve device compatibility and a progress bar to improve UI/UX.
- Implemented Sort-Modify-Delete for survey questions/answers instead of requiring changes in the database.
- Performed multiple database tasks including pivot tables, creation and design of tables, stored procedures, and query optimization. Wrote scripts to automate data import that improved speed from days to only six hours.
- Built a responsive three-tier architecture admin tool that automated and optimized project managers tasks, built using Bootstrap, Telerik framework, ASP.NET Webforms, C#, and MS SQL Server.

Technologies: C#, Visual Studio 2010 and 2012, MS SQL Server, ASP.NET, HTML, CSS, JavaScript, Team Foundation Server (TFS), IIS, Bootstrap, Unit Tests, Telerik Framework, Excel

Project Manager/Developer/IT, Luxtripper LTD (luxtripper.co.uk) - London // Jan 2015 - Aug 2015

Startup in the luxury sector to find destinations worldwide according to its own algorithm. I implemented the minimal infrastructure (servers, backups, version control) and processes of a software department leading a team of four offshore developers in Pakistan.

- Managed various in-house projects. Served as a business analyst to gather and write software requirements for the e-commerce and marketing departments.
- Designed and implemented integrations with third APIs for hotel booking data. Prototyped a flight booking feature.
- Implemented TFS source control software and set source control processes (branch merges, deployments, testing).
- Implemented production, backup, and testing servers using Rackspace and the Azure platform. Automated backups using scripts so databases, image servers, and code could be saved to Amazon S3 service.
- Resolved coding errors related to SQL and business logic. Contributed to cosmetic changes.
- Implemented testing plans for both front and back-end with TFS online.
- Migrated a WordPress blog to an internal IIS server and migrated data from MySQL to MS SQL Server.
Technologies: C#, Visual Studio 2013, MS SQL Server, Entity Framework, ASP.NET, MVC, HTML/CSS, JavaScript, TFS, IIS.

Software Engineer, T&G Think & Grow (<https://www.aggity.com>) - Barcelona // June 2010 - Mar 2014

At T&G (now Aggity) I was a software engineer focused on development using the Microsoft stack including C#, ASP.NET, and SQL Server. I also trained users.

- Developed and modified program features according to client specifications using Visual Studio 2010, C#, and ASP.NET.
- Designed and implemented MS SQL Server and Oracle databases including complex queries, stored procedures, views and integration, and data migrations for new clients.
- Fixed software issues and SQL code irregularities in queries or stored procedures and business logic in C#.
- Wrote functional documentation for new clients and trained new users.
Technologies: C#, Visual Studio 2010, Oracle, MS SQL Server, TFS (Sharepoint integrated), ASP.NET, HTML, Gembase.

Programmer, Net-Life S.L (netlife.cat) - Barcelona // Dec 2009 – May 2010 (Internship)

This was my first real programming.

- Wrote web pages using C# (framework 3.5), Winforms, ASP.NET, SOAP Web Services, HTML, CSS, MS SQL Server, Oracle and Visual Studio 2010.

Designer/Desktop Publisher, Multiple companies - Barcelona // Dec 2006 - Aug 2008

- Performed design work using Acrobat, Photoshop, Illustrator, InDesign, Quark, Freehand, and ArtiosCad.

SKILLS

Development

C#, ASP.NET, ASP.NET Core, ASP.NET Web API, MVC, Entity Framework, EFCore, Telerik, Azure Functions, React, jQuery, JavaScript, Angular, Typescript, HTML, CSS, Bootstrap, PrimeNg, FontAwesome, Oracle, SQL, CloudantDb, CosmoDb

Concepts

Software development process (Agile, Scrum), relational databases, data modelling, object-oriented programming, TDD, MVC, n-tier architecture, SOLID principles

Tools

TFS, Git, GitHub, Visual Studio 2019, Visual Studio Code, MSSQL Mangement Studio, PowerShell, Azure, Amazon Web Services, Notepad++, Atom, JetBrains Resharper, Docker, Source Tree, Postman

EDUCATION

Professional training in Software Development

Escola Politècnica Salessians Sarrià - Barcelona (2008 - 2010)

Professional training in Graphic Design

IES Esteve Terradas i illa - Barcelona (2005 - 2007)

OTHERS

Microsoft Certified: Azure Data Fundamentals

Microsoft Learn, Barcelona, March 2021

Microsoft Certified: Azure Fundamentals

Microsoft Learn, Barcelona, February 2021

Additional training as Systems programmer for Android

Master D, Barcelona, February - December 2012

Java Programming

Escola BIT, Barcelona, October 2008 - January 2009.