Marcelo Villarreal Fasanelli
Senior Programmer
Barcelona, Catalonia, Spain, Catalonia, Spain

Contact

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Top Skills

Gameplay Programming

Networking

Math/Physics

C#, JAVA, C++, Nodejs/Javascript,
PHP, HTML, CSS, SQL, Unity3D, VR,
Git, AWS

Portfolio

https://pulsartronic.github.io/portfolio

Languages

Spanish

English

Summary

Versatile and results-driven software developer with strong
Agile experience and a broad background across multiple IT
domains. Proven ability to adapt quickly, collaborate
effectively and deliver high-quality solutions.

Experience

Senior Unity Developer
Melbot Studio S.L.

In this role I worked on developing and optimizing gameplay and interactive
systems using C#, Unity3D, and Unreal Engine 5. I implemented networking
features and integrated physics with NVidia PhysX. On the backend, I built and
maintained services with Node.js and AWS, while also creating UI components
with JavaScript, HTML, and CSS to deliver polished player-facing interfaces.

Technologies: Unity3D, UE 5, C#, NodeJS/Javascript, HTML, CSS, Git, Amazon
Web Services, NVidia PhysiX

January 2018 - January 2025 (7 years)

Barcelona, Catalonia, Spain

Unity Developer
VR Psylab (Facultad de Psicología - Universidad de Barcelona)

I developed immersive VR applications with Unity3D (C#) for Oculus Rift and
HTC Vive, supporting research on VR as a therapeutic tool in a psychology
laboratory. I also built backend services with PHP, and developed user
interfaces using JavaScript, HTML, and CSS, delivering complete end-to-end
solutions for experimental studies

Technologies: Unity3D, C#, VR: Oculus Rift, HTC VIVE, PHP, Javascript, HTML,
CSS, Git, MySQL

June 2014 - January 2018 (3 years 8 months)

Barcelona, Catalonia, Spain

Programmer
Gamma by VozTelecom

Worked as a full-stack developer building client–server applications using Java
with Spring and Hibernate. Developed backend services in PHP and managed
databases with Oracle PL/SQL and MySQL. Implemented networking features
and designed robust client–server architectures, while creating responsive
user interfaces with JavaScript, HTML, and CSS, delivering end-to-end
solutions for complex systems

Technologies: JAVA, Spring, Hibernate, PHP, Javascript, HTML, CSS, Oracle PL-
SQL, MySQL, C++

February 2011 - June 2013 (2 year 5 months)

Barcelona, Catalonia, Spain

Programmer

Jobpostify

Worked as a full-stack developer building client–server applications with Java, Spring, and Hibernate. Developed backend services in PHP and managed databases with MySQL. Designed and implemented networking features and robust client–server architectures, while creating responsive user interfaces with JavaScript, HTML, and CSS, delivering complete end-to-end solutions.

Technologies: JAVA, Spring, Hibernate, PHP, Javascript, HTML, CSS, MySQL, Subversion

July 2009 - January 2011 (1 year 7 months)

Barcelona, Catalonia, Spain

Junior Programmer

Informática Médica S.L

Worked as a junior full-stack developer contributing to client–server applications with Java, Spring, and Hibernate. Assisted in building and maintaining databases in MySQL, supported networking and client–server architectures, and helped develop responsive user interfaces with JavaScript, HTML, and CSS, gaining solid experience in end-to-end solutions

Technologies: Full-stack, JAVA, Spring, Hibernate, Javascript, HTML, CSS, Networking, client-server architecture, MySQL

February 2009 - June 2009 (5 months)

Barcelona, Catalonia, Spain