

Borja Sánchez Zamorano

Senior Software Developer & System Administrator

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Profile

Experienced software developer and sysadmin with over 20 years in real-time graphics, low-level systems, and **3D broadcast solutions**. Specialized in **C/C++**, **OpenGL**, and **Linux** environments. Strong focus on reliability, automation, and performance.

Professional Experience

Brainstorm Multimedia S. L. — *Senior Developer & Sysadmin*

October 2008 - Present

- Developed core components for **eStudio**, **Aston3D** and **InfinitySet** (C/C++, Python OpenGL).
- Designed and implemented **License Pool Server**, centralizing licensing for all company products (C#).
- Responsible for the **implementation, maintenance, and upgrade** of the Odoo ERP platform (Dockerized PostgreSQL setup).
- Maintained company infrastructure (Linux/BSD servers, Docker, backups, automation scripts Bash/Python).
- Developed internal tools: **Reuters Query Manager**, **Easy Maps** (C#/ .NET).

IVER S.A. — *Software Developer*

March 2007 - September 2008

- Developed raster image processing modules for **gvSIG** using **Java**.
- Participated in projects involving geographic and cartographic data systems.

Territorio Portal Central — *IT Technician & Developer*

November 2006 – February 2007

- Installed and configured computers for clients.
- Developed internal tools using **C++**, **PHP**, and **JavaScript**.
- Provided technical support and customer service.

Various Companies — *Developer & Sysadmin*

1999 – 2006

- Developed and maintained business software and web solutions using **C++**, **Delphi**, **PHP**, **Visual Basic**, **MySQL** and **SQL Server 2000**.
- Managed **Linux servers** and educational software projects.

Languages

- **Spanish:** Native
- **English:** Intermediate (B2 - Professional working proficiency):
 - Business English Course, **Brainstorm Multimedia S.L.** (2009 – 2020)
 - **British English Center**, Valencia (1995 – 1998)

Online Presence

BuscaTuProfesor – Private Tutor:

<https://buscatuprofesor.es/user-53983/>

HackerRank – Programming Challenges Profile:

<https://www.hackerrank.com/profile/BorSanZa>

Personal Projects

- **RaceOverlayX** – Advanced HUD system for **iRacing**.
- **Groony.com** – Social network with over **60,000 users**, developed in **PHP** and **MySQL**.
- **Memorizame.com** – Cloud-based bookmarking service for saving and organizing links.
- **Anunciaros.com** – Global classifieds portal with more than **30,000 active listings**.
- **Msn4Lin** – Instant messaging client originally developed in **Tcl/Tk**, later ported to **C++** using **Qt** and **KDE** libraries.
- **MonoCalendar** – Open-source calendar application developed in **C# (WinForms)**.
- **Awui Library** – Custom **C++** framework inspired by **.NET**, used for TV and arcade developments. Includes custom-built emulators for **Chip-8**, **Master System**, **ZX Spectrum**, and an ongoing **Super NES** project.

Education

- **Computer Systems Engineering**, *Universidad Politécnica de Valencia (UPV)* — completed over 80%.
- **Technical Specialist in Management Information Systems**, *CAJ (1999)* — Remarkable score.
- **Postgraduate Training Courses (2000)**:
 - Java Programming
 - Visual C++ Programming
- **English Course**, *British English Center (1995 – 1998)*.