



## Pierre-Marie BATY

IT multispecialist with 25 years of experience, incl. [15 on my own](#).  
Expert in: interoperability, portability, system architecture and programming, system and network administration.

### Living at

365 Canale  
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### Contact

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Excellent French  
Excellent English

Born 1980.02.28  
Driving license

### Other interests

Baroque music  
Romanesque architecture  
Argentine tango

### Strong points

Experience, pragmatism and efficiency  
Thorough understanding of computer systems  
Imagination, conception and deployment of unique solutions  
Software architecture and programming  
UNIX systems administration (Linux, FreeBSD, IBM...)  
Interoperability and portability specialist (POSIX)  
Real-time and embedded systems specialist (QNX, Linux, Xenomai)  
IT security (anti-intrusion) and confidentiality (GDPR)  
Software ergonomics and user experience  
Pedagogy and transmission of knowledge

### Technologies

C and derived languages: excellent mastering, from C to C# .NET and Java  
Other languages: POSIX shell, LabVIEW, assembly, Python  
Toolchains: LLVM, GCC, natives and cross, creation of tailor-made ones  
DBMS: SQL (MariaDB, PostgreSQL, Microsoft SQL, SQLite) and no-SQL  
Web technologies: SSL, JavaScript, TypeScript, PHP, AJAX, REST  
3D engine technologies: Unity, Unreal Engine, ad hoc engines  
Experienced with neural networks since the 2000s (cf. infra)

### Systems

Windows, Mac and all variants of UNIX (BSD, Linux, QNX, iOS, Android...)  
Software: VS Code, Visual Studio, Eclipse, Momentics, EditPad Pro, mc, vi  
Compilers : Clang/LLVM, GCC, creation of tailor-made toolchains  
Instrumenters : QNX Momentics, IDA, Ghidra, creation of tailor-made tools

## EXPERIENCE

- 2009 - 2025 On my own: [IT consulting and services](#)  
*International customers: companies, administrations, individuals*  
*Numerous references in multiple domains: [ask me](#).*
- 2002 - 2009 Design office at [Marquis](#) (woodworks) (85, France)  
*Network and system administration, tailor-made CAD/CAM software creation*
- 2000 - 2002 Network Administrator at the [CNAM](#) in Cholet (49, France)  
*Interventions on different sites of the [ARCNAM](#): Cholet, Angers and Nantes*
- 2000 - 2001 Programmer at Digital-E in St Laurent sur Sèvre (85, France)  
*Creation of a digital acoustic loudspeaker over Ethernet, around an embedded netbooting Linux kernel, for the Puy du Fou park (85, France)*

## CREATIONS

Here are listed only the main personal realizations for which I have been notoriously known.  
Many others (in part. some I did for my foreign customers) are not mentioned here. [Ask me about those](#).

- 2010 - 2025 [Darwin Build Environment](#) – iOS/macOS apps from Windows/UNIX  
*iOS/Darwin cross-toolchain for Windows and UNIX, code signing tools and debugging tools for these platforms. [Read what the users say](#).*
- 2009 - 2015 [Chess Giants](#) – Quality chess software for Windows  
*Online and vs. computer games, CECF and UCI engines (incl. [Stockfish](#))*
- 2005 - 2010 Serveur T4C Aegir – Admin & lead dev of a MMORPG game server  
*Founder, administrator and developer of the main French roleplay T4C shard*
- 2002 - 2006 [Bots United](#) – Management of a community of programmers  
*Founder of the largest [forum](#) and [wiki](#) regrouping hobbyist game AI programmers. Meeting with actors of the industry (Gearbox Software, Valve Software, CGF-AI)*
- 2000 - 2006 PMBots then [RACC](#) – First-person shooter game AI  
*Experimental FPS AI in several variants*

## BACKGROUND

- From 2002 until today: continuous self-teaching
- 2000 BTS in Electronics – Institution [Saint Gabriel](#) – Saint Laurent sur Sèvre (FR)
- 1998 Scientific Baccalauréat – Lycée [La Tourtellière](#) – Pouzauges (FR)