



Warren Barry

Senior Web Architect | Independent Consultant

short-term missions

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PROFILE

Senior Web Architect and independent consultant with over 20 years of experience supporting organisations, SMEs and independent initiatives in the design, structuring and long-term evolution of their digital systems.

My expertise focuses on secure business application architecture, internal system design and the development of robust, maintainable software solutions aligned with real operational constraints.

I actively integrate AI APIs into application workflows to optimise processes, enhance automation and deliver measurable operational value, while maintaining a strong security-by-design and scalability mindset.

I am known for rapidly assimilating complex technical environments, languages, APIs and business processes, and for delivering pragmatic, production-ready solutions.

TECHNICAL SKILLS

- Software architecture & scalable system design
- Secure application architecture (access control, data structuring, reliability)
- Business application development & workflow automation
- Web development: PHP, JavaScript, Python, Node.js
- AI API integration & intelligent process automation
- Database design & optimisation (MySQL)
- Application reliability, maintainability & performance optimisation

ARCHITECTURE, AUTOMATION & APPLICATION ENGINEERING

- Design and restructuring of internal business applications
- Integration of payment systems and transactional flow management
- Development of Node.js tools and automation for recurring operations
- Web scenario automation, supervision and functional monitoring (Selenium)
- Collection and structured processing of publicly accessible data

- Design and operation of SMTP infrastructures for transactional messaging
- Creation of scripts and tools focused on operational efficiency and robustness

PROFESSIONAL EXPERIENCE

Senior Web Architect — Independent Consultant

1999 – Present

- Design and development of secure business applications and internal systems
- Architecture analysis, legacy codebase takeover and system modernisation
- Creation of internal tools to automate, secure and simplify operational workflows
- Integration of external services, AI APIs and third-party systems
- Short-term, high-impact technical interventions
- Autonomous delivery or collaboration with existing engineering teams
- Strong focus on clarity, efficiency, scalability and long-term maintainability

Founder & Managing Director — Mistral Conseil

2003 – 2013 • Property management / real estate agency

- Creation and operational management of a property management company
- Full responsibility for strategy, finance and daily operations
- Design and in-house development of a dedicated business management software
- Data centralisation, reporting systems and process automation
- Alignment between field constraints, regulatory requirements and digital systems

International environments & major accounts

IBM • Dell • Siemens Nixdorf • Microsoft UK

- Contribution to high-standard software engineering projects
- Work within structured, international and multicultural environments
- Application of strict quality, security and reliability standards
- Collaboration across technical and business stakeholders

LANGUAGES

- French — Native
- English — Bilingual / Full professional proficiency

COMMITMENT & VALUES

- Advanced Military Training — French Army
- Discipline, autonomy and sense of responsibility
- Long-term, committed sports practice (team & individual disciplines)