Marc Milian

Developer · Team Lead · AI & Automation
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SUMMARY

Engineering professional with 25+ years of evolution from Mechanical Engineering to Full-Stack Development and Leadership. Currently specializing in AI hyper-automation and crypto-infrastructure. Proven track record in legacy refactoring, AWS cloud migration, Docker, CI/CD, and leading distributed agile teams.

EXPERIENCE

Founder & Freelance Developer
Mar 2026 - Present

Vibratec — Andorra (AD)

Independent technical practice — available for both freelance contracts and part-time/contract employment. Service focus: senior full-stack development, legacy modernization, and AI-automation.

- Available for both freelance contracts and part-time/contract employee roles.
- Service focus: Symfony/PHP refactoring, AWS migration, n8n + LLM automation, and AI agent design.
- Founded as the legal vehicle for independent engagements following a 7-year team leadership tenure at InThinking.
- Building service catalog and prospect-facing tooling on the upcoming Vibratec domain.
- Flagship in-house project: Crypto Sentinel — AI-driven monitoring and alerting for crypto-assets, powered by n8n and LLM integrations.

Full Stack Developer - Team Coordinator
Jan 2019 - Mar 2026

InThinking SL — Ordino (AD)

Led a team of 9 developers through a major digital transformation, migrating legacy PHP systems to Symfony/AWS. Implemented Scrum methodologies and CI/CD pipelines to modernize delivery.

- Developed and maintained three websites using a legacy custom PHP framework.
- Led progressive refactoring of legacy applications to Symfony using Legacy Bridge.
- Migrated applications to AWS infrastructure with GitHub-based CI/CD and Docker.
- Coordinated workload and priorities for a team of 9 developers.
- Implemented Scrum framework, structuring sprints, ceremonies, and backlog.
- Drove transition to Atlassian ecosystem (Jira/Confluence) and Slack integrations.
- Managed ERP data migration to Holded and synchronized website sales data.
- Operated in a 100% remote setting with a distributed team.

Computer Science Teacher - SysAdmin - Fullstack Dev
Mar 2008 - Jan 2019

COL·LEGI DELS PIRINEUS S.A — L'Aldosa de La Massana (AD)

Designed and delivered a comprehensive K-12 CS curriculum while managing the school's hybrid Windows/Linux server infrastructure and internal gradebook tools.

- Taught CS to students from Infantil to Bachillerato, adapting content per age group.
- Delivered bilingual instruction (Spanish/English) for secondary levels.
- Led practical lessons ranging from no-code tools to database-driven web development.
- Administered a classroom server and 20+ clients in a hybrid OS environment.
- Developed and maintained the school's intranet and gradebook management tools.

System Administrator - Business Analyst - Developer
Jan 2007 - Aug 2010

SAVAND, SA — Escaldes-Engordany (AD)

Bridged the gap between business needs and IT by reverse-engineering financial ERP models and developing custom data gateways and management dashboards.

- Administered Red Hat Linux/Oracle environment for a French financial ERP.
- Supported ERP migration and adapted workflows in collaboration with business users.
- Developed gateways for accounting data exchange between internal and external systems.
- Reverse engineered ERP data models using SQL listeners for custom analysis.
- Built Oracle-authenticated intranet dashboards for visual management.
- Implemented features for revolving credit card management and bank partner integration.

Full Stack Web Developer
Nov 2012 - Jun 2013

Ordino Studio — Ordino (AD)

Engineered an automated video processing pipeline for a kids' TV show website, converting Apple ProRes uploads into web-ready formats.

- Developed public website for 'Club Piolet' using HTML5 and custom video players.
- Built automated workflow for ProRes video conversion and frame extraction.
- Synchronized intranet video assets and metadata with the public website.
- Created administrative interfaces for scheduled publication and content flagging.

System Engineer - Support - Full Stack Dev
Mar 2004 - Dec 2006

DEFI IT — Santa Coloma (AD)

Managed IT for specialized medical practices and developed custom web applications for the Andorran Ski Federation.

- Integrated radiology systems with patient records for dental practices.
- Developed a license and insurance management web app for the Andorran Ski Federation.
- Provided high-tier technical support and infrastructure troubleshooting.

Webmaster & CMS Developer
Sep 2002 - Dec 2003

CIAM — Bordeaux (FR)

Built a dynamic public website and custom CMS for an international music school — scheduling, room management, and student/teacher portals.

- Built a dynamic public website and custom CMS for school schedule/room management.
- Implemented online student/teacher portals and equipment exchange boards.

System Engineer
Jul 1999 - Feb 2001

Microsoft France — Paris (FR)

Selected for the elite 3-month EMEA Technical Residency. Provided premier engineering support and account management for enterprise clients like Fnac and HP.

- Participated in 3-month intensive EMEA residency (Top 40 engineers selection).
- Earned MCSE Certification with Exchange specialization.
- Acted as primary technical contact and advisor for Fnac and HP.
- Resolved complex infrastructure incidents and documented best practices.

Mechanical Engineer
Sep 1998 - Apr 1999

Beynel Manustock — Bordeaux (FR)

Applied engineering principles to assess structural performance of wood materials and evaluated industrial robotics for assembly automation.

- Analyzed mechanical resistance of French pine wood for pallet assemblies.
- Validated design assumptions by correlating ECC visual criteria with actual strength.
- Proposed requirements for robotic arm transfers in pallet production.
- Designed mechanical adapters for robot-arm-mounted nail guns.
- Programmed 2D welding operations for aluminum production routines.

EDUCATION

Master of Science in Engineering
1998

ENIT — Tarbes (FR)

Diplôme d'Ingénieur specialized in Materials.

CORE STACK

Symfony 6, 7 and 8 · PHP 7 and 8 · AWS EC2, RDS and SES · Docker · GitHub CI/CD · n8n · AI Agents · Rust · MySQL & MariaDB · Linux · MacOS · Windows

LANGUAGES

French (Native) · English (Advanced) · Spanish (Advanced) · Catalan (Advanced) · German (Scholar and unpracticed!)