

Marc Llopart

AI Engineering Lead

Terrassa, Spain | [LinkedIn](#) | marclopatriera.com | github.com/mllopart

Senior AI engineer building production RAG, MCP, and autonomous agent systems. Hands-on backend engineer combining LLM architecture with robust data pipelines and cloud infrastructure.

EXPERIENCE

Fractional CTO

Apr 2026 — Present

Fent País

Manresa

Fractional CTO helping Fent País move into the AI era.

- Leading the company's shift to AI-first engineering, from strategy to day-to-day practice
- Designing the harnesses, tools, and skills that let FentPaís engineers use AI coding agents properly and safely
- Architecting the new FentPaís framework, both backend and frontend

Part-time and remote, working alongside the team.

Founder & AI Engineer

Jan 2026 — Present

LuodaInt

Terrassa

Building LuodaInt, my AI product studio. Clients work directly with me, no agency layers, and I take their ideas from concept to production-ready AI products.

- Scoping, architecture and MVPs shipped in about 4 weeks
- LLM, RAG and agent integrations, deployed to production
- Building our own products: Corvidly, FeedJolt, SnapToMemo and influ.codes

luodaint.com

Adjunct Professor

Sep 2025 — Sep 2025

Fundació Universitat de Girona

Girona, Catalonia, Spain

As an Adjunct Professor at the University of Girona (UdG), I taught a practical course in AI for logistics, covering the basics of AI, its history, and how it works. As well, I've covered the basics of using AI for demand forecasting, inventory and routing optimization, warehouse automation, computer vision for quality control, and NLP for operations.

The course combines real-world use cases with hands-on data pipelines to demonstrate how AI drives measurable gains in cost, speed, and service. We also took a clear look at the drawbacks, including bias, privacy, transparency, data quality, safety, and operational risk.

My goal is for students to leave with a balanced, actionable understanding of AI in logistics and the judgment to implement it responsibly.

CTO and principal engineer

Aug 2023 — Present

Medullar Solutions Inc.

Cambridge, MA

Took a privacy-first AI knowledge platform from proof of concept to production serving about 50 users. Built agents for ingestion, knowledge processing, and multi-source question answering. Delivered hands-on architecture across RAG retrieval, model selection, data ingest pipelines, and production deployment. Set hiring standards, delivery cadence, and technical direction while contributing significantly to the codebase.

Team Lead, Software Development

May 2022 — Aug 2023

UVE I Route to market data intelligence

Barcelona

Shipped mobile features end to end with the CTO, focusing on performance optimization, team mentoring, and client delivery.

Principal Data Architect (Interim)

Dec 2021 — May 2022

BITA

Germany

Six-month interim role organizing and evolving cloud architecture on AWS.

Developer Lead, Scrum Master and Software Architect

Sep 2017 — Dec 2021

Keeeb Inc.

Cambridge, MA

Built and led Keeeb's remote engineering organization from scratch (15+ engineers), shipping a web app and browser extension that help teams curate and share knowledge.

- Architected all web technologies and wrote the API specs
- Owned the full product lifecycle, from roadmap to delivery, aligned with business goals
- Shipped fast on continuous delivery, with software built to hold up under heavy load
- Partnered with product on roadmaps, resourcing, and stakeholders
- Hired and kept a strong, diverse team, and set the coding standards
- Turned complex technical topics into plain language for the business

Project Director, then Business Analyst, BSA/Compliance

Nov 2013 — Sep 2017

Santander Bank US

Greater Boston

Managed AML and fraud systems on BAE/Norkom through full production lifecycle. Designed ETL for high-volume data ingest and optimized Oracle for query load.

Business Analyst BSA/Compliance Team

Nov 2013 — Mar 2015

SOTEC CONSULTING, INC

Greater Boston Area

Member of Santander Bank US's BSA/Compliance AML team, specializing in the Norkom AML platform.

- Business analyst for new Norkom software changes and version deployments
- Coordinated development, testing, and releases
- Handled production incidents and supported the Financial Intelligence Unit (FIU)
- Ran gap analyses and built ETL for several applications

Founder, CTO

Jan 2011 — Nov 2013

4People Media

Greater Barcelona Metropolitan Area

Founded 4People Media and built new products from scratch, including funding4learning and funding4wedding.

- Built the platforms in Python (Django) and MySQL

Founder and CTO

Jun 2010 — Apr 2014

Luodaint, FENTPAÍS, 4People Media

Greater Manresa Metropolitan Area

Built custom web and iOS solutions at Luodaint. Served as principal engineer at FENTPAÍS. Integrated PayPal APIs for crowdfunding platform at 4People Media.

Founder, CEO

Jun 2010 — Nov 2013

luodaint

Terrassa, Catalonia, Spain

Freelance developer building web and iOS apps for multiple clients, end to end from scoping to launch.

Software Engineer & Customer Support

Jan 2008 — Jun 2010

Norkom Technologies

Dublin, Ireland

Software engineer and customer support roles in fraud and AML systems.

Java Architect

Feb 2007 — Jan 2008

Alten, Qibbus, Everis

Greater Sabadell Metropolitan Area

Java development roles across multiple consulting firms.

Senior Java Developer

Jul 2003 — Feb 2007

everis

Greater Barcelona Metropolitan Area

Grew from developer to analyst to project leader at Everis (now NTT DATA), an IT consulting and outsourcing firm.

- Delivered projects for clients including Deutsche Bank, the Generalitat de Catalunya's Department of Education, and AUNA Telecomunicaciones

EDUCATION

Universitat Oberta de Catalunya

Jan 2016 — Present

*Bachelor's degree in Computer Engineering***Universitat Abat Oliba CEU**

Sep 2001 — Jun 2003

*Bachelor of Engineering (B.E.) in Computer/Software science***Escola Pia de Terrassa**

Jan 1984 — Jan 1999

*High school***PROJECTS**

NeverOnSunday

On-line shop for a bags collection for men & women made in Barcelona

DO IT IN BARCELONA

This is a website for the Welcome Session for entrepreneurs by Barcelona Activa.

FentPaís

FENTPAÍS is a cooperative project that seeks to promote responsible tourism and local consumption, along with companies and organizations that share values of social responsibility, economic and environmental.

TheSharingCode

Get All your social links together in a mobile landing page and ensure your audience follows and shares you

Funding4Learning

Funding4Learning is a new and revolutionary way for people around the world to fund their studies, fostering education through crowdfunding.

Funding4Wedding

We are a crowdfunding platform that helps couples raise financial resources, enabling them to have the wedding of their dreams.

Mango - Online Shop

Developing the Mango shop using Java, HTML5, CSS3 and JQuery

Patent application for federated knowledge system architecture, Shared Knowledge Graphs

Patent application (US 2026/0154577 A1) for shared knowledge graph architecture, published June 2026. Core technology underlying federated search and multi-source knowledge systems deployed in production.

University course on industrial AI applications, AI Applied to Factory and Industry

Adjunct professor role at Universitat de Girona teaching AI applications in manufacturing and industry. Developed and taught the AI introduction and privacy/security modules.

SKILLS

AI Agents · Large Language Models (LLM) · Product Development · Software Architecture · Norkom · NetReveal · Knowledge Management · Search · API Development · Software Design · TypeScript · Retrieval-Augmented Generation (RAG) · Solution Architecture · Artificial Intelligence (AI) · Director level · Leading Development Teams · University Teaching · Teaching · People Management · Leadership · Microsoft Azure · Microservices · Engineering Management · Amazon Web Services (AWS) · Unreal Engine · Python (Programming Language) · Ionic Framework · Angular · CI/CD · C# · Azure DevOps · Python · PostgreSQL · Mobile Applications · Java · PHP · Oracle · MySQL · CSS · JavaScript · Microsoft SQL Server · Django · Node.js · MongoDB · Symfony · DB2/SQL · Technical Leadership · Team Leadership · Federated search · MCP · OAuth 2.1 · Kubernetes · Docker · OpenAPI · SDK design · DDD · TDD · iOS · Web development