



LUIGI DI MARCANTONIO

Fullstack Developer & AI Engineer · LLMs, RAG, AI agents

info@luigidimarcantonio.it · +39 379 219 4511 · L'Aquila, Italy · Remote or hybrid
linkedin.com/in/luigi-di-marcantonio-3a2770311 · github.com/Gigyo96 · luigidimarcantonio.it

PROFILE

Fullstack developer and AI engineer with seven years of experience building web applications, management systems and SaaS products with TypeScript, Node.js and Angular. Since 2023 I have been integrating language models (LLMs) into products and business processes: RAG and agentic RAG, conversational agents, automation. Built an AI-native EdTech platform end to end, accelerated by Gruppo Mondadori, and led a development team as Technical Lead.

PROFESSIONAL EXPERIENCE

FREELANCE

Fullstack & AI Engineer · 2026 — Present

- Custom web applications, management systems and AI integrations for SMEs, independently or within existing teams.
- Business process analysis and integration of LLMs and automation where they save the most working time.

CONVIVO STUDIO · creative and technology studio

Technical Lead · Head of AI adoption · 2025 — 2026

- Led the development team: goals, priorities and timelines, liaising between stakeholders and the technical team.
- On the Syllex team, a generative-AI LMS grounded in authorised documents only: a course takes hours, not weeks.
- Brought AI into internal and client workflows, with training and hands-on support.

PATHWAY · AI-native EdTech platform

Lead Fullstack Developer · 2023 — 2025

- End-to-end development of the platform (English learning and IELTS prep), from the first line of code to production.
- LLM-based features for automated assessment and personalised study paths.
- Product selected for the Gruppo Mondadori accelerator programme.

BASEMENT ELEVEN · software house

Fullstack Developer · 2019 — Present

- Full-stack development of client web applications and management systems (TypeScript, Node.js, Angular, Firebase).
- Whole project lifecycle: requirements, estimates, development, release and maintenance.

TECHNICAL SKILLS

AI and LLMs: model APIs (OpenAI, Anthropic), LangChain, LangGraph, RAG (Retrieval Augmented Generation), agentic RAG, AI agents, chatbots and conversational assistants, prompt engineering, LLM integration in web applications

Languages & frameworks: TypeScript, JavaScript, Node.js, Angular, React, Next.js, Express.js, HTML/CSS

Data and infrastructure: Firebase, Firestore, PostgreSQL, REST APIs, third-party API and service integration

Tools and method: Git, Claude Code (agent-assisted development), process analysis, project management, team coordination

EDUCATION

MSc in Computer and Industrial Automation Engineering

Università Politecnica delle Marche · December 2019 · 103/110 · Experimental thesis on robotics for precision agriculture

CERTIFICATIONS

Generative AI Leader · Google Cloud

Claude Certified Architect – Foundations · Anthropic

LANGUAGES

Italian (native) · **English** (B2, professional) · **Spanish** (learning)