

# Raffaele Di Gennaro

AI Engineer & Full-Stack Developer

Las Palmas de Gran Canaria, Spain | raffaeledigennaro10@gmail.com  
raffio.dev | linkedin.com/in/raffaele-di-gennaro-112b8a88 | github.com/Raffio

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## PROFESSIONAL SUMMARY

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AI Engineer and Full-Stack Developer with **8+ years** of experience designing and shipping production web, mobile, and blockchain systems. Over the last **2 years** specialized in **AI engineering**: multi-agent orchestration, RAG pipelines, prompt engineering, and memory-optimized LLM applications. Bridges modern frontend architectures (Next.js, React, React Native) with reasoning-capable backends (Node.js, NestJS, Python, Go), delivering intelligent systems that ship and scale. Team leader on both frontend and backend tracks, mentor to junior developers.

## WORK EXPERIENCE

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**Lasting Dynamics — AI Engineer & Full-Stack Developer / Team Leader** 12/2019 – Present

*In office (Italy / Spain) • Product studio delivering full-stack, mobile, and AI solutions to international clients*

Progressed through Mid-Level Developer → Senior Developer → Team Leader → AI Engineer. Led frontend and backend teams on multiple client projects, introduced DevOps practices, and specialized in AI engineering.

### Projects:

- **Intempus DK** (intempus.com) — Time-tracking & admin system • Full-Stack Developer. Built for the Nordic construction industry (Denmark). Backend APIs, admin dashboards, payroll integrations, GPS tracking flows. Acquired by VISMA in 2022. Stack: React, TypeScript, Python/Django, PostgreSQL.
- **VetrinaLive** — E-commerce site builder • Full-Stack Developer. SaaS platform enabling shop owners to create and manage e-commerce sites.
- **Rosmariano** — Sustainable blockchain gaming • Frontend & Blockchain Developer. Play-to-impact platform with on-chain assets and real-world sustainability outcomes.
- **Morgen** (morgen.so) — Calendar & Task Manager • Frontend Team Leader. Cross-platform productivity app (ETH Zurich spin-off). Architecture and UX across web, desktop (Electron), and mobile with multi-calendar sync. Stack: React, MobX, Material UI, Electron, Node.js.
- **Omne** — Asian insurance super-app (FWD Insurance) • Frontend Team Leader. 360-degree lifestyle and insurance app for 10+ countries. MVP in 6 months with 200+ contributors. AI-driven health features, gamification, blockchain CO2 tracking module. Stack: React Native, SwiftUI, Kotlin, TypeScript, Unity, Redux, Firebase.

- **Vetrinaverse** — NFT marketplace & metaverse commerce • Full-Stack & Blockchain Developer. Physical shops as NFTs on-chain, live-stream shopping, token economy. Smart contracts with SHA-256 hashing, IPFS storage, OpenSea compatibility. 2,000+ unique NFTs. Stack: Next.js, Tailwind, Node.js, Python, Solidity, Hardhat, IPFS.
- **Shakadabra** (shakadabra.com) — Booking system • Full-Stack & AI Engineer. AI-assisted scheduling: smart suggestions, automated follow-ups, natural-language search.
- **GivePayments** (givepayments.com) — Banking / FinTech • Backend Team Leader & DevOps. PCI DSS 4.0-compliant cloud-native payments platform. AI fraud detection (TensorFlow / PyTorch), KYC/KYB onboarding, real-time risk scoring, Kubernetes on AWS. Stack: Go, React, PostgreSQL, AWS, Kubernetes, Docker, Python.
- **Invoice management system** • Full-Stack & AI Engineer. AI-powered document parsing, classification, and automated data extraction.
- **Ronda Vet** (ronda.vet) — Veterinary booking • Full-Stack & AI Engineer. AI-assisted scheduling, appointment management, automated client communication.
- **ENPA CL** (enpacl.it) — Italian government agency • Full-Stack & AI Engineer. AI-assisted features integrated into a public-sector platform.
- **Internal AI context plugin** (Confidential) • Full-Stack & AI Engineer. LLM context-injection plugin with prompt-cache optimization for private, domain-grounded responses.
- **Internal Scrum AI agent system** (Confidential) • Full-Stack & AI Engineer. Multi-agent system simulating a Scrum team (PO, dev, QA) for automated backlog refinement, estimation, and retrospectives.

## Backend Academy — Mentor

2024 – 2026

*Remote*

- Mentored junior and mid-level developers through Node.js, NestJS, PostgreSQL, API design, testing, and deployment.
- Led technical sessions on architecture, system design, and engineering best practices.
- Supported several mentees in transitioning into full-time backend roles.

## EDUCATION

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### Universita degli Studi di Napoli Federico II

Naples, Italy

Computer Science / Engineering studies.

**Current studies:** Generative AI — agent orchestration, reasoning models, prompt-cache optimization, and evaluation pipelines (Anthropic, OpenAI, Google AI ecosystems).

## TECHNICAL SKILLS

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**AI & Agents:** Agent Orchestration, Prompt Engineering, RAG, Vector Stores, LLM Tool Use, AI Memory Optimization, Anthropic SDK, Google Gemini, Vertex AI, OpenAI, Vercel AI SDK, LangGraph, Qdrant

**Languages:** TypeScript, JavaScript, Python, Go, Solidity, Ruby, HTML, CSS

**Frontend:** React, Next.js, React Native, Flutter, Redux, MobX, Recoil, Three.js, React Three Fiber, Framer Motion, Tailwind CSS

**Backend:** Node.js, NestJS, Python, Go, REST APIs, GraphQL, Apollo

**Databases:** PostgreSQL, MySQL, Redis, Qdrant (vector)

**Cloud & DevOps:** AWS, Vercel, Docker, Kubernetes, Jenkins, GitHub Actions, Bitbucket Pipelines, Fastlane

**Blockchain / Web3:** Ethereum, Solidity, Smart Contracts, Web3.js

**Payments:** Stripe, Braintree, Coinbase, Shift4, Securion, GivePayments

## LANGUAGES

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Italian — C2, Native

English — C1, Advanced (professional working proficiency)

Spanish — B1, Intermediate (daily use, resident in Spain)

French — A1, Beginner

Albanian — currently studying

## INTERESTS

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**Sports:** Judo (Black belt, 15+ years), Archery, Padel, Football • **Hobbies:** Cooking, Coding

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*Autorizzo il trattamento dei miei dati personali presenti nel CV ai sensi del Regolamento (UE) 2016/679 (GDPR) e del D.Lgs. 196/2003 così come modificato dal D.Lgs. 101/2018.*