

Francesco Iafor

AI Engineer & Full-Stack Developer

CONTACT

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AI & MACHINE LEARNING

AI SYSTEMS & AGENTS

PRACTICES

AI Agents · RAG Pipelines
Multi-Agent Orchestration
Prompt Engineering · Context Engineering
Tool Calling · Voice Agents

FRAMEWORKS

LangChain · LangGraph

RETRIEVAL & KNOWLEDGE

PRACTICES

Hybrid Retrieval · Embeddings

KNOWLEDGE BASE

LLM Wiki · Obsidian · Graphify

INFRASTRUCTURE

Vector DB

MODELS & TRAINING

PRACTICES

Fine-Tuning

TECHNIQUES

LoRA · QLoRA

LIBRARIES

PyTorch · Hugging Face · Unsloth

ML & ANALYTICS

ML Forecasting · Predictive Analytics

AI PLATFORMS & APIS

CLOUD AI

Vertex AI · Amazon Bedrock

MODEL APIS

OpenAI · Mistral

TOOLING

Google AI Studio

PROFILE

AI Engineer and Full-Stack Developer. I design and ship production software systems and applied AI solutions. I work on management platforms, SaaS, web apps, data layers, APIs and automation, from architecture through release. On the AI side I build RAG and knowledge systems, agents with tool calling and multi-agent orchestration, fine-tuning pipelines and ML models for forecasting and predictive analytics. My Management Engineering background helps me read processes, operational constraints and business goals before defining the technical solution.

EXPERIENCE

AI Engineer & Full-Stack Developer

InnovEdge Srl · Feb 2026 - Present · Nola, Campania

- 9+ production projects across management platforms, SaaS, web apps, mobile-ready apps, embedded software, dashboards and automation; I work across architecture, backend, frontend, integrations and release.
- RAG/LLM Wiki systems with embeddings and hybrid retrieval; AI agents connected to data and workflows, multi-agent orchestration, voice AI and tool calling; fine-tuning pipelines using LoRA/QLoRA techniques; document parsing with LLMs and Document AI.
- 5 product AI agents, 2 RAG/LLM Wiki systems and 5 fine-tuned models for specific tasks documented in systems published on my portfolio/GitHub.
- ML forecasting, predictive analytics and what-if scenarios for KPIs, orders, customers, costs and reorders.
- 15+ API integrations and external services, including LLM/Document AI, voice AI, data enrichment, payments, identity verification, channel management, ERP systems and webhooks.
- Application security, roles and permissions, RLS, audit trails, SSL, backups, environment separation and handling of sensitive data flows.
- Requirements, feasibility, architecture, module/API specifications and technical-functional documentation; Linux/WHM/cPanel, queues/workers, cron, backups and server migrations.

Founder & Managing Director

Nexus Trade S.R.L. · Feb 2024 - Present · Naples

- Digital commerce company with approximately €200k in first-year revenue across 11 markets in Europe and North America.
- Systems and automation for 10+ owned and client stores; API/Webhook integrations, CRM, tracking, AI chatbots and more than 5,000 orders managed.
- Payments and risk across Stripe, PayPal, Klarna and Shopify Payments; KYC, chargebacks, P&L, international suppliers and coordination of 3 collaborators.
- Market and product research: markets, competitors, customer avatars, copy, angles and direct-response campaigns.

Founder & Product Lead

Next Tournaments ASD · Jul 2020 - Oct 2023 · Naples

- Multi-game, multi-platform eSports platform taken from concept to launch and then operated for more than 3 years.
- Roadmap, specifications, QA, releases, coordination of internal/external development teams; business development, sponsors and partnerships.

Business Strategy & Marketing

UniNa Corse - Squadra Corse Federico II · Nov 2020 - Jul 2021 · Naples · Internship

- Business plan, sponsor research, budget planning and cost-benefit analysis for the motorsport competition in Varano de' Melegari.

FRONTEND & MOBILE

FRAMEWORKS & LIBRARIES

React · React Native · Next.js
Angular · Flutter · Tailwind
PrimeNG · CapacitorJS

LANGUAGES

TypeScript · JavaScript · HTML · CSS

TOOLING

Xcode · Android Studio

BACKEND & APPLICATION

RUNTIMES & FRAMEWORKS

Node.js · NestJS · Laravel · Spring Boot

LANGUAGES

Python · PHP · Java · C++

APIs, INTEGRATIONS & JOBS

APIS & INTEGRATIONS

REST API · Webhook

ASYNC PROCESSING

Queue / Worker · BullMQ · Cron

DATA ACQUISITION

Apify

DATA & DATABASES

DATABASE

PostgreSQL · Redis · MySQL
MariaDB · MongoDB · SQLite

ORM & PLATFORMS

Supabase · Prisma · Eloquent

FORMATS

SQL · JSON · XML · YAML

CLOUD, INFRASTRUCTURE & DELIVERY

CLOUD & INFRASTRUCTURE

Google Cloud Platform (GCP)
Docker · Kubernetes · OpenShift · Linux

DELIVERY

Git · GitHub · Jenkins · SSH · WHM / cPanel ·
SSL · Backup
Server migrations · Multi-environment deploy

AI-ASSISTED ENGINEERING

CODING AGENTS

Claude Code · Cursor · Codex
Google Antigravity

AUTOMATION

n8n · Workflow Automation

COMPLEMENTARY EXPERIENCE

COMMERCE & PAYMENTS

Shopify · WordPress · Magento · PrestaShop
Stripe · PayPal · Klarna · RevenueCat

GROWTH & ANALYTICS

GA4 · CRO · Meta Ads · Google Ads
TikTok Ads · LinkedIn Ads · Klaviyo

CONTENT & CREATIVE AI

Canva · CapCut · HeyGen
Higgsfield · Rask.ai · ElevenLabs

CROSS-FUNCTIONAL SKILLS

Requirements & feasibility analysis
Clients & stakeholders
Technical-functional documentation
Prioritization · Problem solving
Teamwork · Autonomy
Project coordination

LANGUAGES

Italian - Native
English - B2

PROJECTS

AI Operations Hub - Prospecting, CRM & Voice Automation

Production B2B operations platform combining prospecting, operational CRM and voice AI. It runs acquisition campaigns, enriches and qualifies leads from traceable sources, handles calls through an ElevenLabs agent connected to controlled backend tools, and turns multi-intent conversations into order drafts, tasks, refund cases or human escalations. Includes data provenance, deterministic/semantic scoring, audit and controlled integration with third-party management systems.

DeepScout - AI Research & Evidence System

Open-source project for multi-step research: decomposes the goal, coordinates research agents and links results to sources and evidence. Includes hybrid retrieval with embeddings, LLM Wiki, Human-in-the-Loop, persistent evaluations and controlled learning with versioned policies and rollback.

OptiBuild - Intelligent Construction Site Management

Platform for costs, accounting, progress reports (SAL), bills of quantities, documents, resources and dashboards. Architecture, data layer, RLS, audit trail, management modules, APIs and AI parsing of complex bills of quantities. Presented at Edil Expo 2026 in Rome.

Food, Retail & Logistics Management Platform

CRM, warehouse, suppliers, costs, HACCP, loyalty and logistics. JARVIS is an operational AI assistant that navigates the platform and performs real actions, including hands-free interaction; the decision layer includes forecasting, benchmarking, business-risk scoring, customer scoring and what-if scenarios for pricing, suppliers, staffing and new locations.

TemaSuite - SaaS for Property Managers

Multi-company platform for bookings, guests, units, rates and accounting. Full-stack architecture, APIs, frontend and data model, with Channel Manager, Price Advisor, online check-in with OCR and identity verification, data isolation, auditing and automated tests.

MielePiù - B2B Platform with AI Agent

Customers, orders, catalog, activities and KPIs with integrated Email and WhatsApp. The agent answers using real application data and shows the sources consulted; automatic request and task classification, customer/product clustering, forecasting for reorders and KPIs, integrations and webhooks.

ANCC - Technical Inspections & Administrative Cycle

Management platform for periodic plant inspections: leads, customers, sites, assets, technicians, assignments, scheduling, execution, document archive, pro forma/invoicing and renewals.

WIP - Event Warehouse Management

Event and setup operations: product catalog, client-owned furniture, availability and quantities committed to jobs, restoration cycle, delivery notes, master data and roles.

Athleta - AI Fitness Web App

AI coach with application context, memory and a per-user knowledge graph queried through RAG/LLM Wiki. The agent proposes structured changes and applies nothing without confirmation; speech-to-text, document OCR, image analysis, per-user isolation and validation before persistence.

MVP Athletic - Web, iOS & Android

Fitness platform with a Personal Trainer mode for managing clients and a self-guided user mode. Client management, questionnaires/check-ins, chat and access across web, iOS and Android.

IAF Agent Operating System

Control plane for Claude Code, Cursor, Codex and Antigravity with agents/subagents, skills, rules, hooks, multi-model routing, preflight checks, security policies, knowledge base and verification gates.

n8n Automation - Commercial Cycle & AI

Workflow from a new case to invoicing through webhooks and integrations. A sub-workflow uses an AI agent to generate documents from materials collected during calls, connecting Google Sheets/Drive and external services.

EDUCATION

Studies in Management Engineering (Logistics and Production)

University of Naples Federico II · logistics, production, operations management, process analysis and optimization

Scientific High School Diploma

Liceo Scientifico 'Luca Pacioli' - Sant'Anastasia (NA) · 2013 - 2018

CERTIFICATIONS

Claude with Amazon Bedrock

Anthropic Education · Jul 2026 · API patterns, tool use and RAG on AWS Bedrock.

Claude with Google Cloud Vertex AI

Anthropic Education · Jul 2026 · Prompt engineering, tool use, RAG pipelines and agentic workflows on Vertex AI.

Building with the Claude API

Anthropic Education · Jun 2026 · Tool use, RAG, embeddings, MCP and agentic workflows.

Claude Code in Action

Anthropic Education · Apr 2026 · Automation, MCP, hooks, SDK and AI-assisted code review.

n8n - Automation & Workflow

2026 · Automation & Workflow Fundamentals · API Integrations · AI Workflows

Portfolio: francescoiaforte.vercel.app · GitHub: github.com/francescoveryra-dot