



MARIJA MANEVA

AI ENGINEER

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About

Applied AI Engineer with 2 years of experience building LLM-powered apps, RAG systems, AI agents, document pipelines and automation tools. I enjoy turning business needs into practical AI solutions that are useful, reliable and easy to work with. I have experience building, testing and improving AI systems so they work better for real users and real workflows.

Technical Skills

- **AI & LLM Systems:** LLM Applications, RAG, AI Agents, Agentic Workflows, Semantic Search, Knowledge Retrieval Systems, Prompt Engineering, Document Intelligence, LlamaIndex
- **LLM Frameworks & Tools:** LangChain, LangGraph, LiteLLM, OpenAI APIs, Langfuse, RAGAS
- **Backend & Data:** Python, FastAPI, PostgreSQL, SQLAlchemy, Alembic, Neo4J, MongoDB, APIs, Data Pipelines, File Processing, Multi-format Document Parsing
- **Vector Databases & Search:** FAISS, Pinecone, MongoDB Vector Search, Embeddings, Semantic Retrieval
- **Cloud & Application Development:** AWS, GCP, Streamlit, Gradio
- **Product & Delivery Skills:** Stakeholder Collaboration, Requirements Gathering, Solution Demonstrations, Iterative Development, AI-assisted Development, Production-oriented AI Systems

Experience

Reply / AI Engineer-Consultant / Fulltime

2025 June - present

Skill Agent

- Developed a multi-user conversational profiling tool for SDLC-related work

Estimator Agent

- Contributed to an AI estimation agent by implementing Neo4j save/load functionality, enabling agent state and workflow persistence.

Proposal Validation Agent

- Designed and deployed an end-to-end LLM-powered workflow for validating business proposals
- Built the solution using FastAPI, OpenAI, LangChain, Langfuse and RAGAS, including automated evaluation to support continuous improvement.

Business Analyst Chatbot

- Developed a conversational AI assistant for business analysis use cases, focused on improving user support

File Parser and Processor

- Developed a multi-format ingestion pipeline supporting PDF, DOCX, and PPTX files for AI and RAG-based use cases.
- Enabled technical and business documents to be organized, searched, and reused in downstream AI workflows.

Consulting & Stakeholder Collaboration

- Gathered business requirements and translated them into practical AI-powered technical solutions.
- Collaborated with technical and non-technical stakeholders through demos, feedback sessions, and iterative delivery cycles.
- Delivered AI systems aligned with customer workflows, operational needs, and business objectives.

Produkto / Data Science - AI Engineer / Part-time

2023 Dec - 2025 March

- Implemented an AI-powered tool for automated logo generation.
- Fine-tuned a deep learning model on a logo dataset.
- Integrated a vectorization process to convert raster images into resolution-independent SVG formats.

Education

University of Pavia Faculty of Engineering - Pavia, Italy

Master's Degree in Computer Engineering (Data Science)	2023 - 2025
Bachelor's Degree in Bioengineering	2019 - 2022

Master Thesis : A Deep Learning Framework for Vector Graphics Generation using Stable Diffusion

- Developed an AI generation system from text prompts with complete data pipeline
- Fine-tuned Stable Diffusion model on custom dataset
- Deployed inference endpoint for efficient processing and scalability
- Implemented AI-assisted prompt generator to refine user input and ensure quality outputs
- Created user-friendly interface providing control over generation parameters

Languages

- Italian (Native)
- English (C1)
- German (A2)