Mădălin Tatarciuc

AI Engineer · From the model to the product

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PROFILE

I build products from the model up: training and evaluation, the backend, the app, the brand and the launch. In 2026 I shipped two products of my own, ipporu and Superstarling, and built the Romanian speech models behind Surogate.

PRODUCTS I BUILT

ipporu · *The home of kendo* · ipporu.com — Oct 2026 – Present · solo

- **Product:** the record of 139k kendoka across 99 countries, scouting, Ippon Lab to analyse your own videos, live scoring for organisers and a coach agent.
- **Engine:** specialist video models on Modal GPUs that find the strikes and read the referees' flags.
- **Brand:** the marks, launch films and copy.

Superstarling · *An AI team for your business and your life* — Nov 2026 – Present · solo

- **Workspace:** pages, tables and one calendar for posts, emails and articles, quotes and invoices.
- **Agents:** Starling leads nine specialist agents on my own agent loop with about 80 tools over MCP; anything risky waits for a person's yes.
- **Stack:** Node and SQLite with no framework, live sync, over a thousand server tests.

EXPERIENCE

Invergent · *Applied AI Researcher* · surogate.ai — Mar 2026 – Present

- **Speech:** led Surogate's Romanian models: jackrabbit-110m-ro (5.69% WER on FLEURS, ahead of Whisper large-v3) and amami-357m-ro, three voices in one model.
- **Agents:** built the parts of Surogates where an agent meets a customer: phone calls, Discord, Teams, WhatsApp and website chat, a simulator for testing, and the Studio pages that set them up.

Salestools · *Engineering Team Lead* — Jun 2025 – Nov 2025

- Led the team building an LLM-driven outbound sales platform on multi-step agents (research → personalise → write).
- Designed agent pipelines combining retrieval, reasoning and validated JSON output, with confidence scoring and failure routing.

Plant an App & Bazinga AI · *AI Automation Engineer* — Jul 2024 – Jun 2025

- Fine-tuned and deployed models for sales and support automation; integrated them into production APIs and internal tools.

.worlds · *Co-founder, CEO* — Jun 2024 – Jun 2025

- Built text-to-image and image-to-video pipelines that turned a song into a music video. buildspace S5.

Omdena · *Romania Chapter Lead · BD Partner* — Apr 2023 – Apr 2024

- Led open-source applied ML projects, including computer vision for environmental monitoring; brought Omdena into the Romanian market.

Earlier: Skillab · Gameloft · Coreto.io

OPEN SOURCE

- PS3 Eye camera driver for Apple silicon · vecdb, a vector database in C · LlamaRanch for local models · chess SFT datasets on Hugging Face.

SKILLS

Product: TypeScript, React, Node, Python, FastAPI, Go; Postgres, SQLite, Redis
AI: PyTorch, NeMo, transformers, speech (ASR, TTS), video models, agents and MCP, llama.cpp
Ship: Modal, Fly, Vercel, Cloudflare, GitHub Actions, PostHog, Stripe

EDUCATION AND MORE

Education: buildspace, AI Builder Cohort (2024)
Certifications: Deep Learning, Machine Learning, Computer Vision, Hugging Face Deep RL
Languages: Romanian, English · Kendo: Romanian national team, 1 Dan