

Jakub Janik

AI Engineer & Full-Stack Developer

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PROFILE

AI Engineer and Full-Stack Developer with 2 years of production experience in e-commerce. Built, from scratch, a trading company's system ecosystem (ERP/WMS, a B2B platform with a search engine covering 60M+ offers, 2 online stores), combining LLM, RAG, and OCR with Python and Nuxt.js. Since May 2026 working as a freelance AI Engineer: AI agents and RAG systems for business clients. MSc Eng. in Artificial Intelligence & Data Science.

WORK EXPERIENCE

AI Engineer - Freelance

Self-employed

05/2026 – Present

- Design and deploy AI agents integrated with the client's tools and data (function calling, MCP).
- Build RAG systems: document processing pipelines, vector search, answer quality control.
- Develop FastAPI backends: REST APIs, integrations, authorization, deployments (Docker, VPS).

AI Engineer & Full-Stack Developer

Bracia Wydmuch

06/2025 – 07/2026

- Built a **2-week MVP of an ERP/WMS system** (Stacja 2.0), unblocking the frozen Allegro sales channel; grew it into a complete system (Python, FastAPI, PostgreSQL, Nuxt.js, Capacitor mobile app), reducing the legacy database from ~300 to 50 tables.
- Deployed an AI agent for part cataloging (scraping + DeepSeek, 70,000+ vehicle database), making **product cataloging 5x faster**.
- Built the BroGear B2B platform: an Elasticsearch engine covering **60M+ products** (~100 ms), an OCR + LLM module turning insurance repair estimates into a ready-to-buy cart, and an AI sales chatbot (RAG).
- Automated multi-channel sales: real-time stock and order sync across Allegro/eBay/Ovoko, multi-account OAuth2 (4 accounts), and automated warehouse documents.
- Cut **order fulfillment time by over 60%** with a packing assistant (barcode scanning, box selection, cheapest courier via API).
- Delivered 2 e-commerce stores (Nuxt.js, Stripe/BLIK, i18n in 3 languages) and a B2B portal with per-client discounts; led the work of a 2-person team, mentoring a junior developer.

Full-Stack Developer

Bracia Wydmuch

07/2024 – 06/2025

- Integrated the company with the Ovoko marketplace (reverse-engineered undocumented endpoints, later the official REST API), growing **channel revenue 10x**; the company was invited to Ovoko's top-sellers event.
- Automated the order pipeline: stock sync with a European wholesaler (CSV/SOAP), availability checks, and supplier order submission on cron.
- Delivered a fully documented REST API for a business partner, plus data sync pipelines (PostgreSQL to cloud, NBP currency rates, CDN).
- Built internal tools: a multi-threaded auction sniper, competitor price scrapers for Allegro and eBay (proxies, bot-detection), a wholesale search app aggregating 10 suppliers, and PDF data extraction.

SKILLS

AI / LLM: OpenAI · Anthropic Claude · Gemini · DeepSeek · RAG · AI Agents · MCP · OCR (Tesseract, EasyOCR) · prompt engineering · Pydantic
Backend: Python · FastAPI · async/await · REST API · OAuth2 / JWT · webhooks · rate limiting · PostgreSQL · Elasticsearch · Redis · Supabase
Frontend: Nuxt.js · Vue.js · TypeScript · JavaScript · React · Tailwind
DevOps & tools: Docker · Git · GitHub Actions · CI/CD · Linux/VPS · Stripe · Capacitor

EDUCATION

M.Sc. in Artificial Intelligence and Data Science

Czestochowa University of Technology

02/2024 – 06/2025

B.Sc. in Computer Science

Czestochowa University of Technology

10/2020 – 01/2024

LANGUAGES

- Polish – Native
- English – B2

CERTIFICATIONS

AI in Business Development

Google - 2025