

AI Software Engineer

Professional Summary

Software engineer with 4 years of production experience, specializing in AI/LLM-powered products, Python backends, and agentic systems. Experienced in building production AI agents with tool use, RAG, evaluation pipelines, and observability.

Technical Skills

- **AI Systems:**
OpenAI API, Anthropic API, LangGraph, LangSmith, MCP, RAG, pgvector, Vercel AI SDK
- **Backend:**
Python, FastAPI, Pydantic, asyncio, SQLAlchemy, Redis, PostgreSQL, Alembic
- **Cloud & DevOps:**
GitLab CI/CD, Docker, AWS S3, AWS Lambda, Nginx
- **Frontend:**
TypeScript, React, Next.js

Education

Bachelor of Modelling and Data Science - Expected June 2028
Lodz University of Humanities and Economics (online)
English C1, Polish B2, Ukrainian native

Contact

Email: vasylnarbut@gmail.com
Website: vasylnarbut.com
Łódź, Poland
[LinkedIn](#)
[GitHub](#)

Work History

VisEngine Digital Solutions
January 2026 – Present | Remote

AI Software Engineer

- Built and shipped a LangGraph AI assistant with 18 tools for property search, in-app actions, navigation, and starting video calls with sales reps.
- Built hybrid property search combining structured inventory queries with pgvector RAG over project documents for 5+ clients.
- Integrated CRM workflows to capture buyer preferences and selected properties, create leads, and pass conversation context to sales.
- Added LangSmith tracing and evaluation datasets to debug failures, compare models and prompts, and regression-test agent changes.

June 2023 - January 2026 | Remote

Full Stack Developer

- Built production Next.js + FastAPI applications for real-estate companies, covering frontend, backend, databases, and deployment infrastructure.
- Developed a reusable route and travel-time system adopted across multiple property applications.
- Reduced time to visible content by ~30% through progressive asset loading and an Apache2-to-Nginx migration, allowing users to access pages before all visual assets finished loading.

Freelance | February 2022 - June 2023 | Remote

Full Stack Developer

- Delivered end-to-end e-commerce, automation, and web applications, including Stripe payment integrations and custom Python services.
- Built 30+ automation tools, bots, and Python applications for client business workflows.