

Vadim Samoilov

Applied AI / ML Engineer

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~1.5 years of commercial experience developing AI-powered services. I build multi-agent systems, RAG/MCP, backends, and end-to-end business integrations: requirements → architecture → Python backend and AI logic → queues/databases/infrastructure → production → stakeholder presentation.

EXPERIENCE

OWEN-Energy Group

Junior ML Engineer

Aug 2025 — Present

- Design and ship AI services, LLM/agent systems, integrations, and infrastructure; built the AI-project development/deployment environment from scratch.
- Integrations with Bitrix24, hh.ru, OData/1C, WordPress, PostgreSQL/vector storage, and external APIs; core production code in Python.
- Production systems across sales automation, HR, recommendations, search, and voice AI.

Imprice

Junior AI Developer

May 2025 — Jul 2025

- Python microservices and tools for integrating AI agents into real business workflows; RAG pipelines, vector/relational databases, and agent testing.
- Built RAG search over CRM documentation and a Telegram chat-monitoring pipeline with GPT topic/outcome/sentiment analysis and Google Sheets metrics refreshed every 30 minutes.

FEATURED PRODUCTION PROJECTS

RGM Base — AI equipment selector

PRODUCTION

Independently designed and developed the backend, AI logic, core UI, and integrations. Current catalog: **170,000+ SKUs across 14+ brands**; MCP architecture targets dozens of brands and **1M+ products**. RabbitMQ + Celery power queues/background jobs. The previous three-brand production version generated ~3–4% qualified leads per month.

Python · MCP · LLM/RAG · RabbitMQ · Celery · PostgreSQL · pgvector · Bitrix24 · WordPress
rgmbase.ru · previous version: owen-russia.ru/assistant/

HR Agent — two-stage AI interviewer in hh.ru

PRODUCTION

Designed and developed a system that runs two interview stages directly in hh.ru chat, creates/updates Bitrix24 candidate records, attaches CVs, advances candidates through stages, and issues take-home assignments. RabbitMQ + Celery handle queues/background jobs.

Candidates processed by the system have already been hired.

Python · hh.ru API · LLM · RabbitMQ · Celery · Bitrix24 · PostgreSQL

SELECTED COMMERCIAL SYSTEMS

Voice AI outbound calling

Yandex AI Studio / SpeechKit · Beeline SIP · PostgreSQL · Bitrix24

Bitrix24 catalog search bot

n8n · CRM integration · product-catalog search

Employee recommendations

n8n · PostgreSQL · automatically generated Superset dashboards

RAG / chat analytics

CRM-doc RAG + Telegram API · LangChain/GPT · Pandas · Google Sheets

CORE STACK

AI / ML

LLM / Agents · RAG · MCP
OpenAI · DeepSeek · PyTorch
Transformers · BERT · vLLM
llama.cpp · Qdrant · pgvector

Backend / Data

Python · FastAPI · Flask
RabbitMQ · Celery · PostgreSQL
REST API · Pandas

Infra / Automation

Docker · Linux · Dagster
OpenSearch · S3 · n8n · Dify
Superset

EDUCATION

2013 — 2017 · BSc
SPbETU “LETI”
Innovation Management

Interdisciplinary program spanning business, management, and technology; coursework in Pascal, Python, C++, neural-network fundamentals, calculus, economic and mathematical methods and models, physics, and business English.

IEEE co-author · warehouse-logistics management methods ↗

ML COMPETITIONS

3rd Jarvis Labeling · ecom.tech
Team data-labeling service.

4 / ~100 ecom.tech × Deep Learning Lab
BERT multilabel text classification.

Finalist IT Purple Hack 2025
RAG shopping assistant + VM allocation.

Team Multimodal RAG
Byaldi · ColPali · Vikhr-2-VL · PyTorch.

ADDITIONAL ENGINEERING

“Wind of Time” / S.T.A.L.K.E.R. — released hobby project: C++, Lua, XML, X-Ray Engine, Game SDK, 3ds Max, Photoshop; later continued with a small team.

MoodMeter — team sentiment-analysis system with Transformers, PostgreSQL, and Streamlit; winner of an internal ML-project competition.