



Vegman

AI Automation Consultant & IT Architect

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From \$80 / hr · IP / e-Resident Kazakhstan

PROFESSIONAL SUMMARY

Systems Analyst and IT Architect with 19 years of experience managing complex IT infrastructures, now specializing in AI engineering and business process automation. Expert in designing decoupled architectures, orchestrating ML pipelines (Python, FastAPI, n8n), and deploying RAG-based LLM applications and agentic systems that solve concrete business challenges. Proven track record of automating financial analytics, customer support, and B2B dispatching systems.

EXPERIENCE

- **AI Automation Consultant** Dec 2025 – Present
Freelance / Consulting
 - **Hotel AI Assistant (multi-modal + RAG):** FastAPI backend combining LLM, Yandex SpeechKit (STT/TTS), and Vision API with a Telegram bot interface. RAG pipeline over internal knowledge base serves two audiences: guest-facing customer care Q&A and staff-facing admin instructions. Automated financial reporting pipeline pulls live Bnovo PMS data → structured daily/weekly reports → Bitrix24, saving 6–10 hours of manual work per week.
 - **RAG FAQ Assistant:** LangChain + FAISS pipeline; A/B testing with Ragas evaluation metrics; deployed web chat widget on production.
 - **Agentic Workflows:** Autonomous routing pipelines with Hermes / OpenClaw; instruction-tuned open-source LLMs (Llama, Mistral) for dynamic intent routing and tool selection.
 - **B2B AI Dispatcher (Tripseller):** Refactored travel platform — routing logic moved from monolith to n8n orchestrator; automated contractor matching with Telegram API fallback logic.
- **B2B Sales & IT Consulting Manager** 2018 – Present
Saint Petersburg
 - Single point of contact between business clients and external technical teams across IT and automation projects.
 - Requirements gathering with C-level stakeholders, vendor coordination, project management, and delivery oversight.
 - Managed end-to-end project lifecycles for internal and client-facing initiatives, bridging technical and business language.
- **Lead IT Professional & Systems Engineer** 2004 – 2018
Murmansk Shipping Company · Murmansk
 - Grew from software engineer to Head of IT & Telecommunications Service, managing ~40 specialists.
 - Led development of a proprietary ERP; implemented SAP, 1C, and Company Media across the enterprise.
 - Administered on-premises data center (servers, networking, disaster recovery) for one of Russia's largest maritime transport companies.
 - Managed complex IT projects end-to-end: architecture, implementation, post-release monitoring.

TECHNICAL SKILLS

AI & Machine Learning

Prompt Engineering, RAG Architecture (LangChain, FAISS), Output Evaluation (Ragas), A/B Testing, Agentic Systems (OpenClaw, Hermes), Computer Vision, OCR, LoRA / PEFT Fine-Tuning

Languages & Frameworks

Python (FastAPI, SQLAlchemy 2.0, Alembic, pandas, Flask, PyQt6), JavaScript, HTML / CSS

Databases & Vector Storage

PostgreSQL, ChromaDB, FAISS, SQLite, Docker Compose

LLMs & APIs

OpenAI GPT-4o / Vision, Anthropic Claude, Google Gemini 2.5, GigaChat, Yandex SpeechKit, OpenRouter, fal.ai, open-source (Llama, Mistral, Hermes, ruGPT)

Automation & DevOps

n8n, Webhooks, REST API, Selenium, Playwright, Docker, nginx, Linux, systemd, Git, GitHub Pages, VPS Hosting

Methodologies

Decoupled Architecture, End-to-end Software Lifecycle, System Analysis, Data Engineering, Agile / PLM

HOBBY ML PROJECTS & PROTOTYPES

 Maritime Analytics Pipeline

NLP + data engineering pipeline to parse and enrich maritime regulatory orders and fleet registries; calculates fishing quotas; cross-references UN Comtrade API, tax records, and vessel tracking data.
github.com/natavegman/ships_analytic

 AI Personal Stylist (Computer Vision)

Gemini Vision for wardrobe analysis and outfit recommendations; fal.ai Virtual Try-On to visualize clothing on user's photo; Telegram bot interface.
github.com/natavegman/Smart-Style-Bot

 AI Genealogy & OCR Pipeline

OCR + LLM entity extraction from unstructured historical archival documents; identifies genealogical relationships and validates data consistency.
github.com/natavegman/MyFamilyTree

 Personal HR Agent (this portfolio)

Bilingual FastAPI RAG backend (FAISS + OpenAI embeddings); GPT-4o chat widget; auto language detection; deployed on VPS with nginx + Let's Encrypt.
vegman.dev · github.com/natavegman/portfolio-site

EDUCATION

Engineer — Software Engineering

Automated Systems in Science, Production & Business
Murmansk State Technical University
1999–2004 · Honours

Economist — Finance & Credit

Financial Management
Murmansk State Technical University
2002–2005 · Honours

Professional Prompt Engineer

ZeroCoder University · 5-month course
+ Claude Code (Anthropic) · Google AI ecosystem
2025

LANGUAGES

Russian — Native English — Professional Working Proficiency (B1+)