

GEORGIY KHUDBANDAEV

Product Builder — I build operational & product systems with AI

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// ABOUT

Straight up: I'm not a classical software engineer — no formal CS degree, and my edge isn't algorithms or hand-writing code. My strength is something else — **turning an idea into a working, shipped product**: product thinking, architectural decisions, decomposing problems, persistence, and a strong command of modern AI tooling (Claude Code above all), with which I cover the whole cycle myself — from idea and design to code and production.

In ~1.5 years I've built several real products from scratch: two are already live with users (pairwise.ru, curl2code.com), and the flagship **MriyaDesk** (Go + Python + Next.js) is in pilot. Behind me are 17 years of operational and management experience: I hired, trained and led teams and owned processes and budgets. So I build products around how people actually work, and I'm equally comfortable building solo or leading a team.

// TECHNOLOGIES ACROSS PROJECTS

FRONTEND Next.js 16 (App Router), React 19, TypeScript, Tailwind, shadcn/ui, Radix, Zustand, TanStack Query, react-hook-form + Zod, Framer Motion, next-intl, PWA / Service Worker

BACKEND Node.js, Python, FastAPI, SQLAlchemy (async) + asyncpg, Prisma ORM, REST, WebSocket, background workers and queues (BullMQ, RabbitMQ / faststream)

DATA PostgreSQL, Redis, pgvector (vector search), migrations (Alembic, Prisma)

AI Google Gemini, OpenRouter (multi-model, fallback, quotas), prompt engineering, embeddings

INFRA / QUALITY Docker, Nginx, S3 (Yandex Cloud), Cloudflare Workers, Dokploy; Vitest, Playwright, pytest, ESLint, ruff, Sentry, Git; architecture — Feature-Sliced Design, services and workers

// PROJECTS

MRIYADESK PILOT · FLAGSHIP

On-premise AI platform for work-order dispatch and incident management at large facilities: routing and cascading escalations, business-hours SLA, configurable workflows, a role model, management hierarchy and analytics. AI classifies requests by text and photo **on-premise — data never leaves the client**; for crews, a mobile offline PWA. Essentially an operations OS for a facilities team.

Go · Python / FastAPI · Next.js 16 · React 19 · TypeScript · PostgreSQL + pgvector · Redis · MinIO · Docker (12+ services) · Prometheus / Grafana

● Pilot — Mriya Resort & SPA (≈330 rooms & ≈20 villas, ≈3,000 staff) · ~657 commits · 35 ADRs · 83 migrations · Mar - Jun 2026

PAIRWISE

pairwise.ru ↗

A web platform of compatibility tests: 7 validated psychological frameworks (IPIP-NEO, ECR-R, LAS, CSI, Hurlbert Index, PVQ-Schwartz), AI result breakdowns in plain language, a couples mode and a full admin panel. A separate subsystem is an **SEO content factory** (research → AI generation → publication) that brings the real users in. AI layer: Gemini + OpenRouter with key rotation and Redis/Lua quotas, a BullMQ worker.

Next.js 16 · React 19 · TypeScript · Prisma + PostgreSQL · Redis · BullMQ · Gemini · OpenRouter · Three.js · Vitest

● In production since Jan 2026 · 3,181 users, 2,877 active · ~16.7k visits/mo (100% organic search) · ~290 commits

CURL2CODE

curl2code.com ↗

A browser-based curl-to-code converter for 31+ languages (49 variants). Conversion runs entirely in the browser on **WebAssembly — no data leaves the device**. Request builder, split-view, share-by-link, AI explanation and reverse conversion with the user's own key. 39 UI languages with RTL support and 1,200+ SEO pages.

Next.js 16 · TypeScript 5.9 (strict) · Tailwind 4 · shadcn/Radix · Zustand · WebAssembly · next-intl · PostgreSQL + Prisma · Redis · Sentry

● In production · 31 languages / 49 variants · 39 UI languages (RTL) · 1,200+ SEO pages · ~97 commits · Feb - May 2026

DSE-MRIYA

INTERNAL

A PWA for a heavy-equipment department: an operator logs the shift's plan and actuals from the field in a minute, while the manager sees hectares, rows and engine hours in numbers and exports to Excel. PIN login, offline form cache, add-to-home-screen. Built for my own department's real need.

Next.js 16 · React 19 · TypeScript · PostgreSQL + Prisma · Tailwind 4 · Recharts · PWA / Service Worker · exceljs · Docker

● Internal product · offline PWA + dashboard and Excel export · Apr 2026

BOTS & EXPERIMENTS

FUEL-BOT ● IN PRODUCTION

A serverless bot tracking fuel availability across every gas station in Crimea: it pings the moment fuel is back. Merges the ATAN network's direct API and Crimea's official fuel portal; filters by network, fuel type and distance. A cron every 2 minutes, a webhook, KV — all on the free tier. (Cloudflare Workers · grammY · TypeScript)

KAIROS FIRST PROJECT

A "Matrix of Fate" Telegram bot: questionnaire, SVG→WebP generation, multi-provider AI (Gemini, OpenRouter, Together AI) with 7+ fallback levels, payments (YooKassa, Telegram Stars), referrals, web admin. Fully async architecture. (Python · aiogram · FastAPI · SQLAlchemy async · Redis)

CHATAGON CONCEPT

A Telegram Mini App concept: every chat gets its own "living" creature that the community raises and pits against other chats — group identity over individual farming.

Every project was built as a real product and lives in a private repository — happy to grant access to the code on request.

// EXPERIENCE

Product Builder · Full-Stack (AI-assisted) — independent IT products

2024 — present

In ~1.5 years I designed and shipped several real products from scratch (see Projects). Go + Python + Next.js, AI integrations, Docker — the full cycle from idea and design to code and production, done independently.

Chief Mechanic / Road-Safety Specialist — Mriya Resort & SPA (5★ resort), Yalta

2019 — present

Worked my way up from VIP personal driver to chief mechanic and road-safety specialist (different legal entities of one group). I'm responsible for the transport and special equipment of the resort, which has its own production on site: WinePark (Russia's first wine park — a winery and the Cheesefactory dairy). I own operation, maintenance planning, budgets and cost estimates, spare-parts procurement, the team, occupational and road safety (certified specialist, Rosavtotrans). This hands-on operational experience is what shaped MriyaDesk and DSE-Mriya.

Sales, Management & Entrepreneurship

2008 — 2019

- Sales manager — Coca-Cola HBC, PepsiCo: national retail chains, VIP and HoReCa; top-5 sales reps in Crimea and top-50 in the country.
- Sales manager — IDS Group (Borjomi, Morshynska, Myrhorodska): led merchandisers and promo; among the country's 100 best reps.
- Head of sales — TD "Tri-Kita": hired and trained the team, planning, growth of the client base and sales.
- Entrepreneurship & digital: my own online store, project management in digital marketing and SMM (copywriters, designers, paid-ads specialists).

// EDUCATION & QUALIFICATIONS

Incomplete higher education — IAPM: international business and marketing ("International Business Development Manager").

Vocational secondary — DIPT: welding-production technologist.

Professional retraining (NIKA Training Centre, 2022–2023): road-safety specialist (certified by Rosavtotrans) and vehicle technical-condition inspector.

Self-taught software development (2024–2026): full-stack, application architecture, AI-assisted development, DevOps basics. Plus management programs "Beginning / Effective Manager" (Mriya.Pro Academy, 2022–2024).

// LANGUAGES

Russian — native · **Ukrainian** — fluent (C2) · **English** — beginner (A1), actively improving