Daniil Dushin

AI Developer | Python · LLM apps · Telegram bots | IT & network background | Russian native

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SUMMARY

AI developer with a hands-on IT and networking background. I build Python services with LLMs (Claude, OpenAI), Telegram bots and web apps, and every day I deploy and support an AI computer-vision product on client sites, so I know both the code and the hardware it runs on. I ship with AI coding agents (Claude Code, OpenAI Codex) and verify everything myself: 10 public projects, more than 1,300 automated tests, CI on every push and live demos that run in the browser. My recent work targets what European businesses need now: GDPR-safe use of LLMs, structured e-invoicing (EN 16931 / XRechnung), accessibility (WCAG 2.2) and network asset inventories (NIS2).

EXPERIENCE

Technical Specialist — Steady Control (AI-powered business monitoring), Antalya · Oct 2026 – present

- Deploy and support an AI computer-vision system on many client sites — hotels, cafés and restaurants: kitchen workflow, service quality and refrigerator temperature monitoring.
- Install, configure, diagnose and repair the hardware it runs on: IP cameras, NVR/DVR recorders, IoT sensors, access badges and MikroTik network equipment.

Freelance Developer & IT Support · Feb 2022 – present

- Telegram bots, websites and automation for small businesses, built with Python and AI coding agents.
- PC setup and repair, home and small-office networks, Wi-Fi coverage and remote support for many private and small-business clients.
- Portfolio of 10 projects (below): every one with a demo mode, automated tests, a `BUGFIX.md` of real bugs found and fixed, and a live demo that runs the project's own Python code in the browser (Pyodide / WebAssembly).

PROJECTS

E-Invoice — Python, FastAPI, pdfplumber, lxml, Anthropic API

- Turns a PDF invoice into an XRechnung (UBL 2.1) e-invoice, for the EU move to structured e-invoicing (EN 16931; in Germany every business must accept them since 1 January 2025).
- Extraction with Claude (structured output) or offline rules, then 67 EN 16931 / XRechnung rules with their official IDs and a plain explanation each.
- Matches the official CEN and KoSIT rules on all five sample invoices; 192 tests. Case study

Helpdesk Copilot — Python, BM25 retrieval, Anthropic API, aiogram 3, FastAPI

- Telegram IT assistant that answers from the company's own how-tos with numbered sources; when it is not sure, it opens a ticket with a priority (P1–P4). Tells users they are talking to an AI (EU AI Act, Art. 50).
- Right document in the top 3 for 30 of 30 evaluation questions (15 of 15 held out); 110 tests. Case study

PII Guard — Python, FastAPI, HTMX, Anthropic API

- Gateway that hides personal data (e-mail, phones, IBAN, cards, EU VAT IDs, IP addresses) before a prompt reaches the LLM and puts it back into the answer (GDPR); mask / block / allow policy, audit log without values.

- A property test on 500 random texts shows no original value reaches the model; 163 tests. Case study

Hotel AI concierge — Python, aiogram 3, Anthropic / OpenAI API

- Telegram bot that answers guests in EN, RU, TR and DE only from the hotel's knowledge base; unknown questions go to staff and the reply is translated back to the guest.
- Offline demo mode, 68 tests. Case study

Also built — each with a demo mode, tests and a case study on my site:

- **Allergen Labels** — the 14 EU allergens on every dish in four languages, confirmed by a chef before printing (220 tests).
- **Energy Saver** — runs boilers and EV chargers in the cheapest day-ahead slots; −29.6 % spot cost on 30 days of real German prices (108 tests).
- **Accessibility Check** — WCAG 2.2 checks for small business websites (European Accessibility Act) (208 tests).
- **Network Inventory** — asset register for office networks (NIS2): new devices, risky open ports (117 tests).
- **Fridge alert bot** (83 tests) and **uptime monitor** (52 tests) — Telegram alerts when a fridge gets too warm or a camera, router or access point goes down.
- **Portfolio website** — Next.js, TypeScript, MDX, four languages, in-browser demo runtime; Lighthouse accessibility, best practices and SEO 100: site-production-898c.up.railway.app

SKILLS

- **AI & LLM:** Claude and OpenAI APIs, structured output, prompt engineering, retrieval (BM25), evaluation sets, personal-data masking, AI coding agents (Claude Code, OpenAI Codex).
- **Backend:** Python 3.12, FastAPI, aiogram 3 (Telegram Bot API), asyncio, httpx, SQLite, pdfplumber, lxml, Jinja2.
- **Quality:** pytest, ruff, uv, Git, GitHub Actions CI.
- **Web:** Next.js, TypeScript, Tailwind CSS, HTMX, HTML/CSS, JavaScript, Pyodide (WebAssembly).
- **Infrastructure:** MikroTik RouterOS, LAN/Wi-Fi, CCTV/NVR, IoT sensors, Windows, Railway.

LANGUAGES

Russian — native · English — A1 (basic), studying actively · Turkish — basic

Driving licence: category B

EDUCATION

Belgorod State Agrarian University — Veterinary Medicine (specialist degree), studying on an individual study plan. Software development: self-taught through real projects — 10 public repositories on GitHub.

BEYOND THE ROLE

Fast learner who picks up new tools and fields quickly. Builds Telegram bots and websites, uses AI tools for automation, has sales and client-service experience. Open to new directions and remote work.