PRODUCT · TECHNOLOGY · AI

Artem Yuzhakov

AI Product and Technology Lead

AI Product Lead / Technical Product Manager

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From hands-on engineering and development to leading products and teams. I combine enterprise rollouts with building AI products myself: architecture, infrastructure, agent-driven development and verifying the result. On five projects I was the link between the business and the engineering teams.

17+	10–20	3
years in IT	people in the teams I managed	hardware-software projects in progress

WORK EXPERIENCE

IT Masterskaya

October 2025 — present

Product & Technology Lead

I combine the roles of product lead and technical lead within an investment portfolio. I run three hardware-software projects: a cryptographic access control system, SmartPanel and Smart Media Hub.

- Set up **AI-agent development** on two projects and reduced the team size. I am personally responsible for architecture, infrastructure, briefing the agents, code review, testing and rollout.
- Took the **cryptographic access control system to a working pilot on a real door**: mobile pass, BLE, cryptographic signature, biometric authorization, guest access and signed admin actions. The iOS apps are available to testers through TestFlight.
- Built the stack of mobile app, server software and controllers. Kept the protocol consistent across components and verified end-to-end scenarios on the hardware.
- Launched two workspace-control prototypes: climate, ventilation, sensors, window and media systems. Integrated equipment from different vendors with Home Assistant and set up history collection and telemetry analytics.
- I work with models hands-on and build prototypes to test hypotheses. I am developing a scenario where SmartPanel records meetings and sends the audio for transcription and minutes.

Uralchem

May 2019 — May 2025

IT Project Manager

Ran the full cycle of corporate IT projects: business needs, requirements, budgeting and defending initiatives, development, rollout. Acted as IT business partner for HR and coordinated in-house teams and contractors.

- Led the launch of **Neuro Uralchem**, a RAG recommendation platform for farmers and the company's external customers. Coordinated the external and in-house teams and took part in choosing the technical solutions and architecture. The service is live with real users.
- Launched a corporate IT accelerator: **two of 15 startups** were integrated into the business. Rolling out an HR service cut time-to-hire **from 71 to 26 days**.
- Led development of a Microsoft Web App for KPIs and worked on BI initiatives. Result: operating costs down by **€50,000 a year**.
- Led the project of a corporate mobile app on a **microservice architecture** — one of the first corporate apps in Russia built on this technology. Rolled out a chatbot for issuing certificates and automating employee requests to internal services.
- Launched e-learning on Moodle with **100+ courses** and VR safety modules. Training savings across the group reached up to 40%.

OWN PRODUCTS AND PROJECTS

RadioSurf

International marketplace · radiosurf.online

- **Designed and launched on my own in three months** an international surf-photo marketplace: orders, checkout and payments through Stripe, platform commission, photographer payouts, refunds, buyer and seller dashboards.

- Owned the architecture, server-to-server APIs and infrastructure. The product is live and onboarding users and photographers.

Sesame

Personal project · 2026 · autonomous four-legged robot on ESP32-S3

- **Led the project and set the tasks**; development was done together with the AI assistant Claude Code.
- Walking, navigation and a 15 KB int8 neural-network detector run right on the microcontroller in real time: **6/6 ball finds in a room** with 0 false finds and 0 falls, 76 ms per detector frame.

PREVIOUS ROLES

Coldy Group

November 2018 — May 2019

Project Manager IT

Ran a mobile-app project with IoT integrations and payment control; overdue payments fell by 20%. Set up project documentation and reporting.

Renova-StroyGroup

February — November 2018

CRM Project & Architect

Optimized CRM processes: contract preparation time fell by 30%. Set up intake and prioritization of ideas and tasks for development.

Technodor

December 2015 — December 2017

CRM Project Manager

Migrated 25,000+ records from SugarCRM to Bitrix24 with no data loss and no downtime for the sales team. Integrated the CRM with the website and 1C.

Pepper Customs

March 2011 — November 2015

Co-founder

Co-founder of Russia's first workshop making custom skis and snowboards: believed in the idea and brought it to life.

Tyazhmash

October 2009 — March 2011

Lead Engineer, IP Telephony and Technical Support

Headed the telephony department. Worked with a network of 1,000+ computers, rolled out VoIP and connected remote offices, including those abroad.

Early career: Avtoradio Syzran, technical specialist (May — September 2009); Partner Service, systems engineer (March — June 2008).

SKILLS

Technical practice

AI-agent development, LLM, local models, RAG, Python, JavaScript, REST API, JSON, webhooks, Git, Docker, Linux, PyTorch, reinforcement learning (PPO), MuJoCo, FreeRTOS, int8 quantization, IoT, ESP32 and Home Assistant.

Products and projects

Requirements, roadmap and backlog, prioritization, managing teams and contractors, risk, budgeting, pilots and rollout, Agile and Waterfall.

EDUCATION AND LANGUAGES

Samara State University · 2009
Faculty of Mechanics and Mathematics. Organization and Technology of Information Security.

Russian — native · **English** — Intermediate · Work permit for Spain