

Serhii Voronov

Technical Product Leader | Industrial IoT, Robotics, AI & B2B SaaS

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Prague, Czechia



PROFILE

Technical product leader with 8+ years of experience building B2B products across industrial IoT, robotics, AI, and geo-intelligence. I lead products from customer discovery and strategy through cross-functional execution and production deployment.

EXPERIENCE

Chief Product Officer

Jan 2026 – Jun 2026

LDparks · Prague, Czechia — Geo-intelligence platform for retail expansion (Penny Market Romania)

- Audited the site-selection process and identified manual plot search as the bottleneck limiting expansion to 5 stores per year against a target of 25.
- Won buy-in, built the product team, and shipped a production geo-intelligence platform in **3 months** using 20+ weighted features and 10+ data integrations.
- Owned product strategy, roadmap, UX, data workflows, ML-assisted scoring, and rollout across realtors, architects, and expansion managers.
- Increased plot-search efficiency **~19x**, achieved payback in **under one month**, and created the qualified-site pipeline required to deploy a **€700M fund**.

CTO & Co-Founder

Sep 2024 – Feb 2026

DOT Systems · San Francisco, United States

- Co-founded an AI-powered industrial IoT startup for inspection and predictive maintenance across the US and EU.
- Built and led an **8-person distributed team** across hardware, software, AI, and operations, taking the product from concept to pilot-ready solution.
- Secured a Siemens US partnership and four Letters of Intent through enterprise discovery, plant visits, and on-site demos.
- Defined the Hardware-as-a-Service business model, financial framework, and pilot deployment strategy.

Czech Institute of Informatics, Robotics and Cybernetics · Prague, Czechia

Jun 2021 – Apr 2026

Product Owner, Industrial IoT & Robotics Portfolio

Aug 2024 – Apr 2026

Owned the industrial IoT and robotics portfolio within RICAIP, a **€48.5M** Industry 4.0 research infrastructure.

- Led enterprise discovery and translated customer needs into product requirements and portfolio priorities.
- Aligned engineering, sales, marketing, telco, and automation partners around product roadmaps and technical fit.
- Defined the integration strategy and reusable interfaces across 5G, PLC-connected systems, digital twins, and cloud telemetry.
- Delivered an EV battery disassembly cell and batch-of-one production line into live client operations.
- Validated US demand for a non-invasive ultrasonic flow meter before committing engineering capacity.

Embedded Systems Team Leader

Jun 2022 – Apr 2026

Led a **10-person engineering team** with a **€700K annual budget**, delivering industrial IoT, robotics, embedded, and 5G products for T-Mobile, Škoda, Continental, Pilsner Urquell, and LEGO.

- Owned full-cycle delivery from architecture and planning to factory integration, deployment, and support.
- Delivered a 5G Industrial IoT Gateway for T-Mobile and an IoT monitoring platform covering 20+ metrics across **150+ Pilsner Urquell locations**.
- Led Robobar, an AI-powered robotic tapping station, from prototype to production and international exhibitions.
- Established delivery processes and reusable technical interface standards, reducing integration effort across projects.

Firmware & Hardware Developer, Industry 4.0

Jun 2021 – Jun 2022

- Developed IO-Link hardware and embedded firmware for real-time industrial sensing and control, including low-power operation and OTA update capabilities.

Hardware & Firmware Developer

Sep 2017 – Feb 2020

Spaceti · Prague, Czechia

- Developed embedded hardware and firmware for smart-building IoT devices, including cloud-integrated capacitive sensors.
- Worked as the technical link between clients, sales, and engineering — clarified requirements, validated feasibility, and ensured commercial commitments could be delivered.
- Built production-test fixtures and supported customer-specific API integrations from prototype through on-site deployment.

Co-Founder & CEO

Jan 2016 – Jan 2018

RAVEN · Dnipro, Ukraine

- Founded and later sold a 3D-printing business built around a connected, multi-material printer; led the product from concept to factory-ready hardware, integrating mechanics, electronics, firmware, and software.
- Won 2nd place at the ICYS international competition in Stuttgart.

EDUCATION

BSc in Cybernetics and Robotics

Aug 2018 – Jul 2022

Czech Technical University · Prague, Czechia

Strong foundation in programming, mathematics, electronics, robotics, and industrial automation, with additional C/C++ coursework, applied in real-world engineering projects. Bachelor's thesis on an industrial robot hand-guiding controller graded excellent and awarded the **Dean's Award, Best Bachelor's Thesis 2022**.

DeepLearn 2024 — International School on Deep Learning

Jul 2024

Universidade da Maia — UMAIA · Porto, Portugal

LLMs, AutoML, graph ML, explainable AI, computer vision, speech and language technologies, trustworthy ML, and edge machine learning.

ECCI Graduate School — Learning-Based Model Predictive Control

Jul 2022

ETH Zurich · Zurich, Switzerland

Stochastic and adaptive MPC, model learning, safety guarantees, and predictive safety filters.

SELECTED PROJECTS

Just For Joy — Guest Booking & Check-In Platform (B2B/B2C SaaS)

Jan 2024 – Present

Full-stack platform running guest registration, room assignment, and on-site check-in: a single FastAPI service hosting a Telegram bot, a self-service check-in Mini App, and a React admin panel, with Apple/Google Wallet QR passes, scheduled notifications, and passwordless email-OTP auth. Sole engineer; live in production. just4joy.travel

KUNOS Plots — Data-Driven Site Selection Platform for Retail Expansion

Jan 2026 – Jun 2026

Co-built and deployed the platform with a 2-person team in **3 months**, combining manual architecture design with AI-assisted development; used a Second Brain approach to structure product logic, architecture, and requirements. Delivered the full system with multiple external integrations into client production use. kunos.eu

SKILLS

Product: Product Strategy · Product Development · Technical Product Ownership · Pilot Validation · Project Management

Technology: AI / ML Integrations · Robotics · Hardware–Software Products · Python

Leadership: Cross-functional Team Leadership · Enterprise Product Management

Industries: Industrial IoT · B2B SaaS · Geo-Intelligence

LANGUAGES

Ukrainian	Native
Russian	Native
Czech	C1
English	C1