

# DANIIL SAVCHUK

Engineering Leader · Founder & CEO · AI / ML

Lisbon · Lyon · Batumi · Izmir · St. Petersburg

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## SUMMARY

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Technology leader with 14+ years across software engineering, machine learning, data science and life sciences, now focused on AI & LLM applications. I build engineering organizations and products from zero: a 70+ engineer delivery unit at \$4M+ annual revenue, and my own consultancy at 30+ engineers and \$2M+ turnover. I combine hands-on technical depth (ML, computer vision, distributed systems, AWS) with people management, product ownership, presales and business development — and have published peer-reviewed work at IEEE, Springer and SPIE.

## CORE COMPETENCIES

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Engineering Leadership · Org Design & Hiring · Scaled Agile · Product Management · Presales & Business Development · Solution Architecture · AI / LLM · Machine Learning · Computer Vision · Data Science · Cloud (AWS) · Life Sciences & Bioinformatics

## EXPERIENCE

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### Python Unit Head, Türkiye — EPAM Systems

Apr 2022 – Present

*Built a new country-level Python delivery unit from the ground up*

- Grew the unit from zero to **70+ engineers and \$4M+ annual revenue**, building hiring and utilization pipelines and lean management processes from scratch.
- Ran and delegated 250+ manager interviews, 70+ offers and 60+ hires; documented all internal processes.
- Trained 11 managers to fully back up every role in the unit; defined a value-driven org model and annual strategy framework.
- As Business Continuation Lead, Türkiye (2022–2023): stood up a 2,500-person service location in 2 months — led ESP, PowerBI monitoring and banking onboarding services (2,000+ bank cards issued within SLA).

### Founder & CEO — its.xyz

2017 – Present

*Boutique engineering & R&D consultancy*

- Built the company from scratch to **30+ engineers and \$2M+ annual turnover**; 10+ business clients and 30+ delivered projects across ML/AI, data science, AR/VR, healthcare, life sciences and fintech.
- **Railroad semantic segmentation** for an autonomous (GoA4/SAE-4) train decision module — RZD; published at IEEE ITSC 2020.
- **Floor-plan recognition & vectorization** (CIAN), **polar bear detection** from aerial imagery (EcoFactor), and **xthon** — a hackathon ERP/CRM platform still in production (hacks-ai.ru) serving RZD, MTS, OZON and others.

### Engineering Manager / Lead Algorithm Developer — EPAM Systems

2015 – 2022

*Life Sciences delivery for Novartis, Merck, Broad Institute & Alexion*

- Led RNA-seq pipeline orchestration on Cromwell — **20 pipelines, ~100 jobs/week over multi-terabyte datasets**; full solution architecture, product ownership and team leadership.
- Led high-content screening big-data aggregation on AWS (S3, RDS, EC2, Batch, Lambda, Step Functions) for medical imaging at 150 GB–2.5 TB per run.
- **Won a \$400K rare-disease ontology presales** for Alexion as Presales Lead — architecture, SoW and WBS; signed a new logo for EPAM.
- Earlier: molecular ontology search (Merck) cutting search across 20M+ molecules from days to minutes; VR molecular viewers (Miew / PyMol) for Novartis.

### Software Engineer & Technical Director — Driver-Inter, Sisteamcorp

2012 – 2015

*Graphics, game and simulation engineering*

- Game logic & UI on **Halo Online** (Microsoft, 150+ engineers); Buran landing simulator; MRI/CT DICOM viewer; biological cell recognition (TU Munich).
- Founded an escape-room automation business — delivered 10+ room systems, several still running 9+ years later.

## EDUCATION

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**PhD (unfinished), Applied Mathematics** — Peter the Great St. Petersburg Polytechnic University

2020 · GPA 5.0

**MSc, Applied Mathematics** — Peter the Great St. Petersburg Polytechnic University  
**BSc, Applied Mathematics** — Peter the Great St. Petersburg Polytechnic University

2016 · GPA 4.8  
2014 · GPA 4.6

## SKILLS

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**Leadership & Delivery** People management · Org design & hiring · Scaled Agile (Scrum, Kanban, SAFe) · SDLC · ITIL · Product ownership · Presales · Business development · P&L

**AI & ML** LLM · LangGraph · CrewAI · RAG (OpenSearch, Elasticsearch) · NLP / NER · PyTorch · TensorFlow · Computer Vision (UNet, ResNet, DeepLabV3+) · MLflow · Kedro

**Engineering** Python · FastAPI · Flask · Django · Celery · Redis · Kafka · RabbitMQ · React · Vue · REST / GraphQL · distributed & high-load systems

**Cloud & DevOps** AWS (S3, EC2, Lambda, Step Functions, SageMaker, RDS) · Docker · Terraform · Ansible · Jenkins · GitLab CI · HPC (Slurm, SGE)

**Data** PostgreSQL · MongoDB · Vertica · Databricks · Spark · Pandas · Superset · Power BI · Grafana

**Domains** Life Sciences & Bioinformatics (RNA-seq, GATK, Cromwell, WDL / CWL) · AR / VR · Fintech · Healthcare

## SELECTED PUBLICATIONS

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Railroad semantic segmentation on high-resolution images. *IEEE ITSC 2020* — 10.1109/ITSC45102.2020.9294722

Floor Plan Recognition and Vectorization (UNet, Faster-RCNN, RDP). *Springer 2020* — 10.1007/978-981-15-6648-6\_2

Classical & Deep Learning for Polar Bear Detection from Aero Photography. *Springer 2020* — 10.1007/978-981-15-6648-6\_1

Fast selective antialiasing for direct volume rendering. *SPIE Medical Imaging 2019* — 10.1117/12.2511887

Real-time direct isosurface rendering for HTC Vive & low-performance devices. *SPIE Medical Imaging 2018* — 10.1117/12.2292183

## LANGUAGES

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Russian (Native) · English (C1+) · Portuguese (A1+) · Turkish (A1+) · French (A1)