

## Contact

@TatianaCherepanova (Telegram)  
+7-910-389-86-77 (Mobile)  
tatiana00@mail.ru

www.linkedin.com/in/  
tatianacherepanova (LinkedIn)

## Top Skills

Cross-functional Team Leadership  
Data-driven Decision Making  
Product Lifecycle Management

## Languages

English (Professional Working)  
Russian (Native or Bilingual)

## Certifications

Chief Technical Officer  
JOBS TO BE DONE  
Objectives and Key Results (OKRs)  
Certified ScrumMaster  
B2B GROWTH

## Honors-Awards

Division Recognition Award: For  
Driving Agile practices  
Division Recognition Award: Delivery  
of RealSense SDK  
Division Recognition Award: Delivery  
of Windows Hello on SKL/Win10  
Delivery of GO SDK Labeling tool  
release to key customer

# Tatiana Cherepanova

Head of Engineering | Hardware-Software Products | Scaling R&D |  
Mentoring  
Russia

## Summary

Engineering leader with 20+ years in software development and 10+ years building and scaling R&D teams (up to 50 engineers) in AI, computer vision, and embedded systems. Experienced in launching products from zero, aligning engineering with business outcomes, and creating predictable delivery in complex co-development environments. Setup/transform R&D operations to reduce time-to-market, improve resource efficiency, and drive measurable financial impact.

Seeking to lead engineering at a product-led company building intelligent, human-centered physical-digital systems (e.g., robotics, ambient AI, productivity tech).

Open for mentorship: I guide Tech Leads and Engineering Managers in building predictable R&D operations through integrated planning, influencing stakeholders without direct authority, and shifting from operational firefighting to strategic impact. We address dependencies, transparency, and career transitions.

Contact via TG @tatianacherepanova.

#EngineeringManagement #RnDOperations #TechLeadership  
#Mentorship #WomenInTech #WomenInBigData

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## Experience

### YADRO

3 years 10 months

Head of R&D Integrated Planning  
May 2024 - Present (2 years 1 month)  
Nizhniy Novgorod, Russia

Designed and rolled out integrated R&D planning system, aligning roadmaps, resources, and execution across multiple business units. Established a unified product catalog and standardized planning practices that increased visibility into development progress and dependencies.

Built an executive R&D dashboard combining engineering, product, and financial data to enable faster, fact-based portfolio decisions.

Led adoption of cross-divisional OKRs tied to corporate strategy, fostering alignment and accountability across R&D leadership.

The enhanced operating model drives predictable delivery in complex hardware-software co-development, supports more efficient use of engineering resources and reduces time to market.

### AI Software Engineering Manager

August 2022 - July 2024 (2 years)

Nizhniy Novgorod, Russia

Joined YADRO with a team of 25 engineers, scaled to 50, actively participated in AI function establishment from scratch: defined mission, org structure, processes, and validated product hypotheses.

Pivoted team away from low-margin product ideas toward high-impact productivity tools; delivered validated prototypes in enterprise search and conversational AI using RAG/LLM and MLOps.

Introduced a methodology for rapid AI/GPU servers configuration for customer workloads to enable sales.

### Women in Big Data

Director of Women in Big Data Russia Chapter

August 2022 - Present (3 years 10 months)

Lead Women in Big Data Russia (5,000+ members): organize meetups, mentorship programs, conferences; partner with global chapters to localize inclusive leadership practices for Russian-speaking tech community.

Co-lead "Mentor in Tech" program (2,000+ participants, 50+ volunteers): personally mentored 10+ mid-level professionals on leadership transitions, influencing without authority, and career strategy; lead development of automation tools (Telegram bot + scripts) to scale operations.

Designed and facilitated "Time Management" workshop: taught prioritization frameworks, context-aware planning, and strategic focus.

Speaker on: software development methodology selection (context-driven decision-making), AI technologies landscape for non-technical leaders, and "Women in IT: Untapped Potential for Sustainable Business Growth" - bridging technical depth with inclusive leadership advocacy.

## Intel Corporation

14 years

### AI Software Engineering Manager

September 2021 - August 2022 (1 year)

Rebuilt the Classical ML optimization team to its target size of 20 engineers, established organizational structure, engineering processes, strategic goals, and roadmap execution from the ground up.

Delivered of CPU/GPU optimized libraries (oneDAL, scikit-learn-intelex) used by thousands of developers; upstreamed XGBoost optimizations to the open-source mainline.

Defined product vision and roadmap in partnership with business stakeholders, using OKRs tied with product lifecycle - a model later adopted by peer teams.

### Software Engineering Manager

August 2015 - November 2021 (6 years 4 months)

Nizhny Novgorod Region, Russian Federation

Built and scaled three developer-facing products from inception Intel® Time Coordinated Computing Tools and Data Labeling, Visualization, Pipelining Tools for Intel® Automated Driving SDK.

Established end-to-end engineering processes (quality, release, DevOps) and managed multi-geo teams (up to 30 engineers and contractors).

Created a flexible outsourcing model with clear scope control and accountability.

Contributed to corporate-wide software product lifecycle (PLC) definition and optimization initiative.

### Scrum Master

June 2013 - July 2015 (2 years 2 months)

Nizhny Novgorod, Russian Federation

Led Agile transformation for two Scrum teams on the Intel RealSense project; recognized with multiple Division Awards for driving Agile adoption and delivery excellence.

### Technical Project Manager

April 2011 - May 2013 (2 years 2 months)

Managed multi-geo financial applications (My Commissions, WSCM ESF) using Agile; built a scalable outsourcing model and received "IT CCAP Russia Breakthrough of the Year 2012."

#### Senior Application Developer

September 2008 - March 2011 (2 years 7 months)

Developed internal enterprise applications (My SMG, My Commissions) using C# and ASP.NET; delivered high-impact solutions recognized by both IT and business stakeholders.

#### Teleca

4 years 5 months

##### Team Lead

November 2007 - February 2008 (4 months)

Led a 5-engineer team developing multimedia features (camera, video, image editing) for Kyocera CDMA phones on the Brew platform.

#### Senior Software Engineer

October 2003 - October 2007 (4 years 1 month)

Integrated and extended Aplix J2ME dual-VM runtime for Motorola GSM/3G phones; owned Graphics and External APIs subsystems and mentored junior engineers.

#### SoftLab-NSK

##### Software Engineer

January 1999 - August 2003 (4 years 8 months)

Developed real-time broadcast automation software for TV studios, including chroma key algorithms and AVI processing libraries in C/C++. The delivered streaming delay and editing distributed system was in production for 20 years.

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## Education

#### Novosibirsk State University (NSU)

MS with honors, Physics, Computer Science · (1996 - 2002)