

SERGEY NOVICHKOV

SENIOR ML ENGINEER | TEAM LEAD | PRODUCT MANAGER

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ABOUT ME

Senior ML Engineer and Team Lead with 3+ years of experience at SBER and fintech startups. Leading a team developing ML solutions that directly impact company revenue through multi-armed bandit algorithms for dynamic factoring rate adjustment. Architect of AI agents with RAG systems (GigaChat2, Qwen3) for internal automation services. Leader in MCP server implementation in corporate environment. Successfully transform business requirements into scalable ML products, reduced operational costs by 35 million rubles/year. Expert in product strategy, experimentation, and cross-functional leadership.

SKILLS

Leadership & Product: Managing teams of 5+ people, product strategies, OKRs, A/B testing, cross-functional coordination, PRD, experimentation

ML & AI: LLMs (GigaChat2, Qwen3), RAG systems, LangChain, FAISS, multi-armed bandits, XGBoost, CatBoost, Transformers, SpaCy, NER

Technologies: Python, SQL, Docker, Kubernetes, RabbitMQ, Kafka, Hadoop, GitLab CI/CD, Grafana, Streamlit, Flask

Innovations: MCP servers, AI agents, microservice architecture, Big Data ETL, PII Detection

Languages: Russian (native), English (B2)

WORK EXPERIENCE

Senior ML Engineer / Team Lead

03.2024 – Present

SBER, Moscow, Russia

- Leading ML development team that impacts revenue through multi-armed bandit algorithms for dynamic factoring rate adjustment
- Developed and implemented AI agent service for employee assistance with multiple AI assistants based on RAG systems with GigaChat2 and Qwen3, reduced HR tickets by 60%
- Leader in MCP server implementation in corporate environment, conducting negotiations with departments on GenAI solution implementation
- Automated 70% of corporate table documentation through LLM pipeline with RabbitMQ, saved company 35 million rubles/year
- Migrated 15+ services from Docker Swarm to Kubernetes, improved fault tolerance by 20% and performance by 45%
- Developed model for automatic personal data detection (PII), reduced data verification labor costs by 90%

Tech Stack: Python, GigaChat2, Qwen3, LangChain, FAISS, Kubernetes, RabbitMQ, MCP

ML Engineer / Team Lead

09.2021 – 03.2024

Proscorn, SalaryScan - ML platform for salary calculation, Moscow, Russia

- Led a team of 5 people, built development process (Jira+Confluence), implemented Agile, reduced time-to-production by 25%
- Developed resume parsing system from open sources, scaled from 1.7K to 10K+/day through Hadoop+NiFi, reduced manual labeling by 80%
- Implemented NER model for automatic detection of key skills and qualifications of candidates, improved MAE from 12.4K to 10.2K rubles in salary predictions
- Developed recommendation system for candidate matching, increased sales conversion by 37%
- Organized 4 internal technical meetups (>60 participants), hiring conversion rate 10%

Tech Stack: Python, XGBoost, CatBoost, Hadoop, NiFi, PostgreSQL, Docker

EDUCATION

HSE University, Moscow

2025 – Present

Master's Degree, Business Informatics, Digital Product Management

RTU MIREA, Moscow

2021 – 2024

Bachelor's Degree, Applied Mathematics (honors degree, GPA: 5.0/5.0)