

Matvey Tolkunov

DevOps Engineer

Moscow, Russia · remote or hybrid · open to business trips

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DevOps engineer — I build ML platform infrastructure following best practices. I make a second home for data scientists: JupyterHub, Spark, Airflow, LLM services.

I love Linux, idempotent configuration and a healthy engineering culture: knowledge sharing, code reviews, proper workshops.

Experience

DevOps Engineer · Ecom.tech (Samokat)

Oct 2025 – present

Internal ML platform serving hundreds of active users — data scientists and ML engineers.

- ▶ Solely operate and evolve **6 instances** of JupyterHub — a service with **hundreds** of active users.
- ▶ Built a JupyterHub–Spark integration for interactive work with the cluster — sped up the model training cycle in production.
- ▶ Built platform monitoring from scratch: service error metrics, GPU, CPU, memory and disk utilization down to nodes, pods, roles and users; **a dozen dashboards** in Grafana and alerts to the corporate channel — monitoring as a service.
- ▶ Diagnosed and fixed hangs in Airflow DAGs training models on order data — restored the stability of promo and product analytics.
- ▶ Introduced linting across all Airflow repositories — cut DAG errors and leveled up code quality across teams on more than **10,000 DAGs**.
- ▶ Implemented SSO: Keycloak integration with JupyterHub. Deploy LLM services for internal teams: Triton, Langfuse for tracing.
- ▶ Developed a set of CLI utilities that make platform users' day-to-day work in production easier.
- ▶ On-call in the incident rotation: every incident during my shifts was driven to resolution.

stack: Kubernetes · JupyterHub · Spark · Airflow · Keycloak · ArgoCD · Helm · Vault · Grafana · VictoriaMetrics · Triton · Langfuse · Nexus

DevOps Engineer · RSHB-Intech (Rosselkhozbank)

Jul 2024 – Oct 2025

Infrastructure of the RAISA ML platform: CI/CD, Kubernetes, monitoring, services for data science teams.

- ▶ Built CI/CD pipelines in GitLab CI — from image builds to automated deploys to Kubernetes; release time went **from 3 days down to 1 hour**.
- ▶ Customized and deployed MLflow: OAuth2, PostgreSQL, artifacts in S3 (MinIO), load balancing via ingress-nginx — plus a pipeline that deploys the whole stack automatically.
- ▶ Deployed the monitoring and logging stack: Prometheus, Grafana, VictoriaMetrics, OpenSearch, Fluent Bit.
- ▶ Migrated JupyterHub user environments from Docker Swarm to Kubernetes — about **1,000 users**, with zero data loss.
- ▶ Automated uploading large LLM models to Nexus Sonatype; configured HAProxy and Nginx for routing and load balancing.

stack: Kubernetes · GitLab CI · MLflow · JupyterHub · Airflow · PostgreSQL · MinIO/S3 · Prometheus · OpenSearch · HAProxy · Zabbix

DevOps Engineer · Clean Data

Jun 2023 – Jul 2024

Rolling out and supporting the company's product on customer infrastructure.

- ▶ Deployed, configured and supported the company's software on customer premises; built CI/CD for product modules (TeamCity, GitLab).
- ▶ Ran data migrations and initial data loads, configured deduplication and normalization; troubleshoot Java applications across dev/test/prod.
- ▶ Wrote a complete set of product administration guides.

stack: Linux · PostgreSQL · TeamCity · GitLab · Ansible · Java Spring · Zabbix · Nginx

Software Engineer · RSSU Technopark

Dec 2022 – Jun 2023

- ▶ Developed modules for service robots on ROS (Python); a series of three-channel video recorders and a smart-home system on Raspberry Pi (Debian).

Systems Engineer · SKTB PR

May 2021 – Aug 2022

- ▶ Developed the GUI and menu navigation for an industrial cable robot inspecting defects inside oil pipelines; set up Debian machines (Python, C++).

Skills

ORCHESTRATION & CI/CD

Kubernetes Docker Helm ArgoCD GitLab CI
TeamCity Ansible Vault

ML INFRASTRUCTURE

JupyterHub MLflow Airflow Spark Langfuse
Nexus

MONITORING & LOGGING

Prometheus VictoriaMetrics Grafana Zabbix
OpenSearch Fluent Bit

SYSTEM & NETWORK

Linux Bash Python Nginx HAProxy
PostgreSQL S3/MinIO Keycloak

Education

2027

RSSU, Moscow — BSc

Computer Science and Engineering

2022

MGOK, Moscow — associate degree

Mechatronics and Mobile Robotics

Languages

Russian — **native**

English — **B2**