

Mikhail Dubov

Software engineer and data scientist with 10+ YoE in machine learning, data engineering, and algorithmic trading

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EXPERIENCE

Meta

Machine Learning Engineer • Monetization 📅 Feb 2025 – Present 📍 London

- ML Engineer in Ads – Value Optimisation

Revolut

Lead Data Scientist • Revolut Business 📅 Mar 2023 – Nov 2024 📍 London

Revolut Business offers global business bank accounts in Europe, US, Australia and Asia.

- Led a team of 3 data scientists that delivered ML projects for card fraud (5x block rate decrease; £100k/mo saved in chargebacks), receipt matching (migration to an in-house CV model saving \$10k+/mo), and LLM-based customer feedback categorisation
- Led BI migration from a data warehouse to a data lake backend that reduced the loading times of 200+ dashboards by 95% through data partitioning and use of aggregate tables
- Built a framework for A/B testing and tracking the performance of marketing comms, supporting the rollout of an improved activation flow (+5% activation rate)

Senior Data Scientist • Revolut Business 📅 Jul 2021 – Feb 2023 📍 London

- Managed the central B2B data team, grew it 2x to 10 DA / DS / DE, and implemented product team embeddings, facilitating the support of 15+ product teams with analytics
- Prototyped and passed CTO’s system design review for a company-wide A/B testing platform, later adopted by 25+ teams in the company (Python / Airflow / Trino)

Data Scientist • Revolut Business 📅 Jul 2020 – Jun 2021 📍 London

- Designed an ML-based system for automated receipt parsing & matching for expense management, resulting in a 2x increase of the product retention rate (Python / GCP)
- Built ETL pipelines driving the migration of Brexit-impacted businesses to a new legal entity, saving £10m+ in annual revenue that would be lost otherwise (SQL / Airflow)
- Built a system for collection, anonymisation, and statistical analysis of customer NPS & feedback, driving the product roadmap and 6 KPIs (Python / spaCy / Airflow / Looker)

Smarkets

Quant Developer • Trading 📅 Oct 2018 – Jul 2020 📍 London

Smarmkets is one of Europe’s leading platforms for algorithmic sports trading.

- Worked on 5 trading strategies for market making / prop trading on Smarmkets and other exchanges. Owned one of these strategies from the initial design and implementation (Python / Docker / K8s / AWS) to maintenance and ops (£100k+/qtr, 8.5 ann. Sharpe)
- Developed a Python library for quant data manipulation (10+ internal users)

Data Scientist • Marketing 📅 Dec 2016 – Sep 2018 📍 London

- Built ML models and ETL pipelines to predict customer churn & LTV, driving marketing campaigns that improved retention by 25% in A/B testing (Python / Luigi / Sklearn)
- Built an internal anomaly detection system based on time series forecasting (FB Prophet)

Mirantis

Software Engineer • OpenStack Performance 📅 Jan 2015 – Jun 2015 📍 Moscow

OpenStack is an open-source cloud computing platform used by CERN, Baidu, and others.

- Was one of the core developers in OpenStack Rally (open-source benchmarking tool, 300+ GitHub stars) and top #2 contributor with 100+ commits, 900+ code reviews
- Mentored the Rally developer community and created extensive documentation

Junior Software Engineer • OpenStack Performance 📅 Aug 2013 – Dec 2014 📍 Moscow

- Implemented core components in Rally: benchmark launchers, data processing tools, API
- Achieved a 5x speed-up in the node listing algorithm of OpenStack Nova (platform core)

TECH

Python SQL Java Git
Pandas Sklearn PyTorch
Docker / k8s Airflow AWS

EDUCATION

Université Paris-Est MLV

M. Sc. in Computer Science
(mention très bien)

📅 2015 – 2016 📍 Paris

Higher School of Economics

M. Sc. in Data Science
B. Sc. in Software Engineering
(GPA 9.6/10, ranked #1 in class)

📅 2010 – 2016 📍 Moscow

Linguistic Gymnasium 1513

Specialisation: German language
(Gold medal, ranked #1 in class)

📅 2003 – 2010 📍 Moscow

INTERNSHIPS

Google

SWE Intern • Forecasting

📅 2015 📍 London

Higher School of Economics

Research Assistant • NLP

📅 2013-2015 📍 Moscow

App in the Air

Data Science Intern • Reviews

📅 2012 📍 Moscow

AWARDS

🎓 Yandex Scholarship
2015 – Segalovich award

📊 Yandex Hackathon on
Open Data Analysis
2013 – 3rd prize

🎵 Piano Competition for
Outstanding Amateurs
2014, Paris – Press award

🏆 All-Russian Olympiad in
German Language
2010, Nizhny – Gold medal