

Oleg Brovko

Data/software engineer with an academic background

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in olegbrovko

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Summary

Data/software engineer and analyst with a computational physics background and over 7 years of industry experience building, automating, and integrating data ecosystems and leading data engineering and analytics teams. Currently on the lookout for new opportunities and keen to join a cross-functional team in a publicly/socially/globally impactful enterprise or a project at the junction of industry and academia.

Work Experience

- **Data Lead / Software Engineer - Safi (London, UK)**

July 2023 - present

Rebuilt several service domains in the core marketplace platform including finance/accounting and customer communication, then shifted to reshaping from the ground up the data and analytics platform, to give the team a 360° view of the business in a scalable, timely and compliant manner.

- **Technical Software/Data Engineering Consultant (UK, Germany, Guatemala)**

January 2023 - July 2023, MVG Augenkliniken (Schwerin and Wiesbaden, Germany)

Helping the management of a clinic to advance the digitalisation agenda by rolling out a new hospital information system to support patient data management and academic research projects.

February 2022 - January 2023, Elmeas Ltd, Niños de Guatemala, and others

Contributed hands-on/consulting in a charity and several start-ups (PoC, automation, integration).

- **Lead Data / Software Engineer - Revolut (London, UK)**

January 2020 - January 2022

My team worked hard to enable other teams at Revolut to communicate with our customers in a meaningful personalised manner by building an event-driven customer engagement platform and providing personalisation, audience-building and triggering services. In the last 6 months - interim product owner of the team.

- **Data Engineer / Tech Lead - Ubeeqo (Barcelona, Spain)**

April 2018 - September 2019

Designed, developed and co-maintained various aspects of the data ecosystem and analytical activity: ETL and data warehousing. event-driven user-tracking for CRM and product analytics, reporting, offline analytics (statistical and model-based), automation for business, CRM, operations and support, and systems integration.

- **Physicist / Researcher - MPI μ Phys, ICTP (Germany, Italy)**

February 2007 - April 2018

Conducted computational research in nanoscale magnetism and material science on massively parallel machines, evaluating results, publishing and presenting at international conferences. Taught computational physics at the undergraduate level.

- **Software Engineering Intern - JINR (Dubna, Russia)**

February 2006 - May 2006

Developed interfacing software package for accelerator magnet calibration setup - full automation of the measurement benches and signal acquisition, processing, and storage.

Skills

• Domains

event-driven service meshes, data pipelines, cloud ETL, third-party tool integration, analytics, reporting, systems integration, data modelling

• Core stack

Python, Go, Docker, Kubernetes, Kafka, Google PubSub, Google Cloud Ecosystem, various DBMS

• In the past

R, Matlab, Fortran, C/C++

• Online certification

Big Data Applications and Analysis - HDFS, MapReduce, Spark, Spark SQL, Hive, ML at Scale

• Platform integration

Segment, Braze, Mixpanel, Asknicely, Five9, Freshdesk, Zendesk, Fleetbird, Odoo, HL7, Xero, Nook, HubSpot, DocuSign, SendGrid, etc...

Languages

English	native level
German	native level
Russian	native
Spanish	intermediate
Italian	basics

Education

- Postgraduate, PhD (Physics)
Max Planck Institute of Microstructure Physics (Halle, Germany)
- Graduate (Physics, non-linear optics)
M. V. Lomonosov Moscow State University (Moscow, Russia)
- Undergraduate (Physics)
M. V. Lomonosov Moscow State University (Moscow, Russia)

Academic Highlights

- Over 8 years of postdoctoral research experience in top research institutions in Germany, Italy, USA.
- Publication track record with over 25 publications in high impact journals, lead author / lead theory author of four major review articles and books
- Head of group's outreach, presentation activities and consultant on publication preparation
- Teaching and tutoring experience at undergraduate and graduate levels (computational physics, presentation design)

Personal Interests

- Mountaineering, rock climbing
- Sailing (races)
- Strategic, logical and community board games
- Bike and hike tours
- Tango Argentine, Salsa

Availability & Modalities

- German national
- Indefinite leave to remain in the UK
- currently living in London
- prefer on-site but Ok with remote work
- strongly welcome opportunities to learn