

Digital Product Delivery Manager with 12+ years of combined experience in Data Science, R&D and Engineering. Initiated, managed and delivered over 40 data and digital transformation products across Steel manufacturing (UAE, India, Russia), Oil and Gas (US, Russia) and Financial industries (US, Malta) with overall economic benefit >\$20mln.

Portfolio: <https://dzorikhin.github.io/portfolio/> GitHub: <https://github.com/DZorikhin>

LinkedIn: <https://www.linkedin.com/in/dmitry-zorikhin/>

## PROFESSIONAL WORK EXPERIENCE

### Digital Product Delivery Manager

January 2022 – present

Emirates Steel Arkan, Digital Centre of Excellence – **Metals & Mining**, Abu Dhabi, UAE

- Managing the team of Data Scientists and Digital Delivery Specialists, promoted from Lead Data Scientist
- Implemented Value-In-Use model (25 models + optimization) resulted in > **\$5mln/year/plant** savings
- Created portfolio with over 20 digital and data science products according with Company strategy goals
- Developed Data Product Delivery Framework
- Delivered over 10 data and digital products through internal teams and external partners' network
- Building, deploying, and maintaining advanced analytical and data models in a business setting

**Tech stack:** Python | Classical ML | Timeseries analysis | SQL | Git | Azure | Databricks | Docker | Power BI | ML Ops

### Senior Data Scientist

May 2021 – December 2021

PwC Malta, Digital Transformation – Financial Services, Malta

- Developed and automated financial statements data extraction tool, processed over 10,000 documents
- Initiated 3 data science projects within Assurance and Tax departments

**Tech stack:** Python | Classical ML | Timeseries analysis | SQL | Power BI

### Senior Data Scientist

July 2020 – March 2021

NLMK Group, Digital Transformation – **Metals & Mining**, Yekaterinburg, Russia

- Managed 4 digital products at MVP/production stage with **\$400,000/year** overall economic benefit
- Created portfolio with 15 digital and data science products according with Company strategy goals
- Led the group of 6 Data Science contractor teams
- Initiated 2 innovative projects for production upgrade (laser cutting technology, hydrostatic pressure monitoring)

**Tech stack:** Python | Classical ML | Deep Learning | Timeseries analysis | SQL | GitLab | Hadoop | Spark | Docker

### Data Scientist

June 2019 – July 2020

Advisor Energy, Digital Transformation – Oil & Gas, Houston, USA

- Developed data-driven forecasting model for shale oil & gas production with 95% accuracy
- Prepared 8 US oil & gas shale basin reports covering over 80 E&P assets using quarterly updated data
- Data-driven Net Asset Value models | Type/Decline curves analytics | Reserves | Completions

**Tech stack:** Python | JavaScript | Classical ML | RNN | Timeseries analysis | AWS | SQL | Power BI | Git | Docker

### Lead Data Analyst

March 2019 – June 2019

SKB Kontur, Business Analytics – Software Development, Yekaterinburg, Russia

- Saved **\$40,000/month** as the result of notification services analysis of lead company's product Kontur.Extern

**Tech stack:** SQL | GitLab | Python | Classical ML

### Engineer

November 2015 – March 2019

Sakhalin Energy Investment Company Ltd. (**Shell and Gazprom JV**) – Oil & Gas, Yuzhno-Sakhalinsk, Russia

- Saved **\$2mln/well** by optimizing well completion timing execution using engineering data model database
- Initiated and got financial approval for joint cloud-based data project for Wells and Subsurface departments
- Reduced CAPEX worth **\$50,000/well** by optimizing completion string for workover projects

### Data and Research Scientist

November 2009 – August 2014

Ural Federal University | Labfer Ltd. – Science (Optoelectronics, Physics), Yekaterinburg, Russia

- Won and led own grant for scientific research with total amount of funds over **\$13,000**
- Developed ferroelectric substrates bonding technology for engineering project execution worth **\$260,000**
- Patent owner "Hysteresis-free High-Temperature Precise Bimorph Actuators" as part of project team

## EDUCATION

### MSc Offshore Oil and Gas Engineering

2014 – 2015

Diploma with Distinction, Robert Gordon University, Aberdeen, UK

### PhD studies in Computational Physics and Physics of Condensed Matter

2013 – 2014

Physics Department, Ural Federal University, Yekaterinburg, Russia

### MSc of Engineering and Technology in Innovations

2011 – 2013

Diploma with Distinction, Physics Department, Ural Federal University, Yekaterinburg, Russia

### BSc of Engineering and Technology in Innovations

2007 – 2011

Physics Department, Ural Federal University, Yekaterinburg, Russia

## SKILLS, ADDITIONAL ACHIEVEMENTS AND RELEVANT CERTIFICATES

Microsoft Azure Synapse for Developers | Google Cloud Big Data and Machine Learning Fundamentals | ML Zoomcamp