

Contact

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Top Skills

MLOps
Machine Learning
Amazon Web Services (AWS)

Certifications

Data Science with Python
Generation Python: Advanced Course
Retrieval Augmented Generation (RAG)
Data Scientist Professional
Docker

Vladislav Dremov

ML Engineer | Fintech & Gen-AI | 7 years of experience in data field
Germany

Summary

Seasoned data scientist with 7 years of experience working with data.

Interested in the fields of Machine Learning and its application in real-world tasks. Currently working as ML Engineer in Libertex Group.

In my work, I'm developing the entire ML pipeline, starting with extracting data from databases using SQL and concluding with selecting the optimal model for production.

Skills:

SQL (MSSQL, Oracle), AWS, Python(Pandas, NumPy, Scikit-learn, XGBoost, LightGBM, CatBoost, Tensorflow, Keras), Docker, AirFlow, Hadoop

GitHub: https://github.com/VlaDremov/DS_projects

Experience

Libertex Group
Machine Learning Engineer
March 2024 - Present (1 year 10 months)
Podgorica, Montenegro

Leading online trading platform offering access to over 300 financial instruments with over 3 million traders globally.

- Developed and launched to production multiple LLM-powered Telegram bots delivering automated trading signals.
- Conducted an A/B test for an LLM-based trading advisor to optimize trading performance.
- Migrated two major projects from local servers to AWS SageMaker, implementing comprehensive refactoring, streamlined training and inference pipelines, and automated failure alert systems.

- Redesigned the training pipeline for the lead scoring project, resulting in a 20% improvement in model performance, and led the successful migration to a new CRM and database.
- Created a daily retraining pipeline for trading strategies, integrating dynamic thresholding, Stop Loss/Take Profit (SL/TP) calculations, and performance evaluation frameworks, achieving stable long-term profitability (~5% monthly).
- Established comprehensive model performance and data drift monitoring systems across four critical projects.

SAMOLET Group

Data Scientist

July 2022 - March 2024 (1 year 9 months)

The largest real estate developer in Eastern Europe.

- Led the development of a Data Quality check pipeline encompassing over 30 Data Quality checks covering 50+ reports, saving the company 120+ million roubles a quarter.
- Solved regression and classification tasks used in forecasting the real estate objects' change in metrics and statuses (mean MAE for status change prediction model is 6 days).
- Optimized the apartment price evaluation service for large amounts of apartments, achieving a 35-fold increase in overall analysis speed.
- Engineered the model for making price elasticity curves for a diverse range of real estate, providing insights for strategic decision-making.
- Deployed the Multi-Armed Bandits method to measure the website elements' impact on conversion.
- Managed cross-departmental communication and coordination with outsourcing contractors in the development of critical tools, including dynamic pricing, apartment price calculators, and website sales metrics analysis.
- Developed end-to-end ML-related projects, from initial business requirement analysis to model deployment across corporate services.
- Supported and adapted 6 current ML pipelines and refactored the existing code for scaled usage.

UnlimAI

Machine Learning Engineer

January 2023 - May 2023 (5 months)

Palo Alto, California, United States

Small startup focusing on developing GPT-powered agents for specific business needs and a Telegram bot that utilizes SOTA models of different modalities.

- Implemented new features that helped the business acquire new tokens using several sources and led to a 50% reduction in operational expenses.
- Developed a baseline version of a dynamic prompt generator that changes the prompt based on the customer's business type and the goods sold.
- Led the development of a service that generates relevant replies to posts and comments based on the context and prompt (GPT-powered).
- Prepared audio data for LLM using SOTA speech-to-text solutions (Whisper, Pyannote).
- Designed and implemented a baseline method for text similarity analysis.

Otkritie

Technical Business Analyst

October 2020 - June 2022 (1 year 9 months)

Russia's 8th largest bank group by assets.

- Led the modernization and streamlining of the sales department reports in bank products such as consumer loans, credit cards, debit cards, and mortgages using complex SQL queries from various DBMSs (Oracle, MS SQL Server) and MS Excel + Tableau for visualization.
- Piloted the development of the planned conversion rate calculator for external call centers based on several parameters.
- Achieved a 95% reduction in manual daily reports update time, transitioning from 3 hours to 10 minutes.
- Managed up to 25 reports simultaneously. Merged several reports with excessive and duplicated data into 1 lowering the total quantity of reports from 30 to 18.
- Collaborated as an active member of the Sales Agile team, playing a key role in the development of new reports and handling ad-hoc analytical tasks.
- Participated in cross-department development of a unified data mart used across the company.
- Pioneered the ETL process with external contractors using Apache Airflow.
- Utilized Deep Learning libraries in Python to parse chatbot data from Hadoop, enabling sentiment analysis insights to improve the chatbot further.

Locko-Bank

Business Analyst

December 2018 - April 2020 (1 year 5 months)

- Managed, modernized, and updated the sales department reports in bank products such as consumer loans, credit cards, debit cards, and car loans using complex SQL queries and MS Excel.
- Merged 3 important reports with duplicating data used by different departments into 1, allowing these departments to get information about each other's performance, increasing the overall transparency.
- Lowered the manual daily reports update time from 4 hours to 30 minutes.
- Managed up to 20 reports at once. Remade the bonus calculation system for the call center.

METRO Cash & Carry Russia

Pricing Specialist

October 2017 - December 2018 (1 year 3 months)

CHTPZ Group

Procurement Specialist

March 2016 - September 2017 (1 year 7 months)

Education

South Ural State University (SUSU)

Master's degree, Computational and Applied Mathematics · (2015 - 2017)

South Ural State University (SUSU)

Bachelor's degree, Computational and Applied Mathematics · (2011 - 2015)