ALEXANDR KOTOV

Data Engineer

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🏠 Mexico City

About Me

Data engineer with 5 years of experience working with data, specializing in building ETL/ELT pipelines and LLM-powered data processing.

I build and maintain data infrastructure, create automated data ingestion systems from APIs and web sources, and develop intelligent classification tools that reduce manual work and improve data quality at scale.

EXPERTISE

- Python
- SQL
- Airflow
- BigQuery
- dbt
- PostgreSQL
- Linux (Ubuntu)
- Docker
- Git
- AWS

LANGUAGES

- Russian (Native)
- English (Fluent)
- Spanish (Intermediate)

EXPERIENCE

Data Analyst/Data Engineer
inDrive - Mexico
(Global ride-hailing platform)
2022- Pres.

Data Engineering:

- Built and maintain a self-hosted Airflow server managing end-to-end marketing ETL/ELT data pipelines with automated monitoring via Telegram/Slack alerts.

- Engineered data ingestion from diverse sources including REST APIs, web scraping, open-source datasets, and messaging platforms

- Designed and continuously optimize an LLM-based text classification system, improving accuracy from 75% to 97% through iterative model evaluation and prompt engineering. Reduced processing costs by 70% and cut processing time in half by tracking LLM market developments and migrating to more efficient models

- Created real-time competitive intelligence alerts and SML tracking system enabling business and product teams to monitor market positioning

- Built an anti-fraud Telegram bot that detects photo manipulation and metadata issues in branded vehicle images while simultaneously serving as a global data source for tracking and analyzing branded vehicles

- Built dbt transformation pipelines for marketing analytics, creating reusable models to track campaign performance across multiple channels and calculate standardized engagement metrics

Data Analytics:

- Optimized legacy BigQuery queries, reducing execution time and resource usage by 30%

- Analyzed data across multiple database systems (BigQuery, PostgreSQL, MySQL, Presto, SQLite) to support business decisions

- Built Tableau dashboards to visualize key metrics

Data Analyst
PIK - Moscow
(Russia's largest real estate developer)
2021 - 2022

Data Analytics:

- Analyzed data across multiple SQL databases (MSSQL, PostgreSQL, MySQL) and built Tableau dashboards for various business units.

Tableau Server Administration:

- Took full ownership of Tableau Server administration within months, replacing an external consulting company and independently managing infrastructure for 1500+ users.
- Managed end-to-end server operations including installation, configuration, site management, licensing, cross-server migrations, and access control.
- Developed a Python script to track user activity and automatically remove inactive users, reducing license spends by 30%.
- Automated administrative processes and deployed a Telegram notification system for proactive server monitoring.

Science teacher
Era of engineers - Moscow
2019-2020

Led robotics classes for 6-15 year-olds for 2 years, teaching Arduino programming, CAD, and electrical engineering while developing hands-on projects including plotters, walking robots, and smart devices.

EDUCATION

Bauman Moscow State Technical University, Moscow | 2014 - 2020
(BMSTU is one of Russia's top technical universities, often referred to as "Russian MIT")

Aerospace Engineering

Specialty: Design of aviation and rocket engines

Department of plasma power installations

CERTIFICATES

Udacity
- Data Engineering with AWS

Coursera
- Applied Machine Learning in Python
- Introduction to Data Science in Python
- Using Python to Access Web Data
- Using Databases with Python
- Python Data Structures
- Applied Plotting, Charting & Data Representation in Python