

Mars Shakirov

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DATA ANALYST

I have a strong background in data analysis and data engineering, with experience in the EdTech and OTA industries. I've optimized systems, automated workflows, and improved user experiences using data-driven solutions. With a foundation in theoretical physics, I bring analytical thinking and problem-solving skills to tackle complex challenges and drive informed decisions.

SKILLS

Programming Languages	: Python, SQL, MATLAB, R
Databases & Data Storage	: MSSQL, ClickHouse, PostgreSQL, MySQL, SQLite, MongoDB
Libraries & Frameworks	: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Beautiful Soup, Streamlit, LLM Models
Business Tools	: Jira, Asana, Redmine, ClickUp, Notion
BI & Visualization Tools	: Power BI, Redash, Metabase, Tableau, Datalens, Grafana, Looker Studio
Workflow & Automation	: Airflow, Docker, Git, Jenkins, Jupyter Notebook, Google Colaboratory, Zeppelin
API & Integration	: RESTful APIs, GraphQL, Postman, Swagger/OpenAPI, JSON, XML, OAuth
Other Skills	: Machine Learning, Algorithm Development, Data Visualization, Statistics, Theoretical Physics
languages	: Russian (native), English (fluent), German(basic), Turkish(basic)

EXPERIENCE

Product Manager & Data Analyst <i>Wowtickets (formerly Airinme Limited) Product Department</i>	2023 – Present <i>London, United Kingdom (Remote)</i>
<ul style="list-style-type: none">Managed search and airline services, tracking key metrics and optimizing performance.Developed graph-based solutions to enhance search efficiency and user experience.Analyzed parser data, technical logs, and external tools (Google Analytics) to refine strategies.Monitored channel effectiveness in terms of conversion and implemented pricing algorithms that dynamically adjusted fares, leading to an increase in AOV.Maintained currency stability amid fluctuations and source unavailability.Designed dashboards and automated reporting, accelerating decision-making and boosting booking conversions.	
Data Analyst <i>Mego Travel Revenue Department</i>	2022 – 2023 <i>Saint Petersburg, Russia (Remote)</i>
<ul style="list-style-type: none">Improved reporting for travel operations using Power BI, enhancing efficiency.Conducted anomaly detection and fraud analysis to reduce booking inconsistencies.Led integration projects with international travel aggregators, leveraging data insights to enhance service offerings.	
Data Analyst & Researcher <i>UmSchool Online School R&D Department, Analytics Department</i>	2020 – 2022 <i>Kazan, Russia</i>
<ul style="list-style-type: none">Developed performance-tracking algorithms and gamification strategies using reinforcement learning.Built predictive models for user knowledge assessment and generated financial reports.Automated ETL workflows, integrated external API data, and optimized ClickHouse storage and queries.	
Educational Consultant <i>Skyeng Online School High School Department</i>	2019 – 2020 <i>Moscow, Russia (Remote)</i>
<ul style="list-style-type: none">Enhanced website UX and tested lesson-building strategies in early project stages.Automated dashboards and implemented data-driven engagement and retention strategies.	
Researcher <i>Various Research Institutions</i>	2013 – 2019 <i>Kazan, Russia</i>
<ul style="list-style-type: none">Conducted research on chaotic processes and molecular dynamics using Python, Matlab, and machine learning.Published findings in peer-reviewed journals and presented at international conferences.Applied computational modeling and statistical methods to interdisciplinary projects.	

EDUCATION

Kazan Federal University
Bachelor of Science in Fundamental Physics

Kazan, Russia
Sep 2011 – Jun 2015

- Developed computational models of air friction, exploring chaotic dynamics in physical systems.
- Authored manuals and assignment books on solving non-linear dynamic problems using computational methods.

Kazan Federal University
Master of Science in Theoretical Physics

Kazan, Russia
Sep 2015 – Jun 2017

- Specialized in the dynamics of excitons in tubular-shaped molecular aggregates, integrating quantum mechanics with computational modeling.

Kazan Federal University
PhD in Theoretical and Computational Physics (incomplete)

Kazan, Russia
Sep 2018 – Present

- Planned research on the advanced properties of excitons in various molecular aggregates, leveraging computational techniques and theoretical frameworks.

Bayreuth University
Internship in Biofluid Simulation and Modeling

Bayreuth, Germany
Jun 2019 – Aug 2019

- Collaborated on optical experiments with large molecular structures, using molecular dynamics algorithms to predict behavior properties.
- Applied classification and prediction machine learning models to support experimental findings and advance molecular behavior predictions.

PROJECTS

LLM Model Applications
Collaborative

2024
Remote

- Participated in retraining **LLM models** to interpret human commands and translate them into **Galileo Terminal commands**, enhancing automation workflows.
- Contributed to adapting **LLM models** for parsing and cleaning Airline Fare Rules, improving the accuracy and usability of fare-related data.

Football Data Analysis Project
Independent

Ongoing
Remote

- Designed and implemented a comprehensive data analysis pipeline to investigate football performance, addressing specific questions not answerable through open resources.
- Utilized a personal server for data collection and processing, ensuring full control and efficiency.
- Built an asynchronous data parsing system to collect and store football data from multiple sources, leveraging **Python** and **Beautiful Soup**.
- Employed proxies to bypass data access limitations, enabling continuous data extraction without interruptions.