

# DMITRII NOVIKOV

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## PROFESSIONAL SUMMARY

Thank you for reading my CV. I am a specialist in the field of data analysis and processing. With good analytical skills and strong technical background. I can be useful to your team as a data scientist or Python developer. I am constantly learning and helping others to learn. I hope you will find my skills useful for your project.

*My small blog: hashiroto.com*

## WORK HISTORY

### pure.app - Software Developer (Analytics Team)

*Remote*

10/2021 - 12/2022

- Creation of web analytics system (FastAPI, RabbitMQ, ClickHouse, Superset)
- Development of streaming and batch ETL scripts (Python, Airflow, ClickHouse).
- Data warehouse modeling (Snow scheme)
- Database administration (ClickHouse, Postgres)

Over the course of the job, created a data warehouse for the company, wrote ETL and implemented reporting. With the help of the implemented solutions, the company was able to abandon the Amplitude service in favor of its own solution.

### market-delivery.yandex.ru - Data Engineer

*Moscow*

11/2019 - 03/2021

- Development of streaming and batch ETL scripts (Python, ClickHouse, Airflow)
- DevOps of analytical infostructure (ClickHouse, Postgres, JupyterHub, Airflow, and Superset, Docker, Ansible)
- Data warehouse modeling

A data warehouse was created for a B2B food delivery branch, from scratch. Wrote ETL scripts and implemented a microservice architecture system to share data with other teams. Created a warehouse model and described all processes in Jira. Together with the analytics team, developed and implemented a food ranking model for the delivery app.

### 101xp.com - Data Analyst | Science

*Moscow*

01/2018 - 10/2019

- Automate reporting and dashboard preparation (ClickHouse, PG, MSSQL, MYSQL, Superset)

## LANGUAGES

- Russian (Native)
- English (Upper intermediate)
- 日本語 (初中級 レベル)

## EDUCATION

### RANEPA (Top 10 University)

Moscow

**Bachelor's degree:** Computer Science (Data Science)

During the first two years, we studied basic math and economics. Starting from the second year, the focus of study shifted to Data Science.

*Graduation project topic:* Building high-performance data processing systems using free software.

日本国際工科専門学校  
Tokyo

Japanese Language  
Studied Japanese for a year and a half. Currently level are close JLPT N3.

## SKILLS

### Analytical Skills

Statistical analysis, Products analysis, Market research, A/B testing, Forecasting, Excel

### Engineering Skills

**DB and BigData** - MSSQL, Postgres, ClickHouse, BigQuery, Hadoop, Redshift, Hive, Spark

**Cloud System** - Google CP AWS, Yandex Cloud

**Programming** - Python, SQL, R, Scala, Go

**Frameworks** - Django, FastAPI, Flask Shiny

**DevOps** - Docker, Ansible, Git, Bash

- Analyzing the market of game applications, preparing calculators for estimating revenue from new projects
- Daily tasks to evaluate the effectiveness of in-game events
- User churn and revenue forecasting.
- ETL script development (Python)

Over the course of the work, a revenue forecasting model has been created. Together with the team, we completely overhauled ETL and the analytical reporting system.

### **gamenet.ru - Data Analyst**

Moscow

04/2016 - 12/2017

- Automate reporting and dashboard preparation (MSSQL, Power BI, R-language)
- Developing traffic acquisition strategies in conjunction with the marketing team
- User churn forecasting

During the period of work, Power BI was implemented, reporting was automated and traffic purchasing was optimised.

### **Bania-msk.ru - Web Developer**

Moscow

08/2012 - 01/2016

- Development of medium complexity websites and landing pages (BitrixCRM, Wordpress, PHP, JavaScript, HTML, CSS - *example of work bania-msk.ru*)
- Automating the purchase of advertising in Google Ads and Yandex Direct services
- Setting up analytics systems and automating reporting

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## **PROJECTS**

Wrote two courses on data engineering and ETL. The first course on Airflow (~1700 students), the second on ClickHouse analytical database (~600 students). Both courses are currently the most popular courses on their topic in Russian with an average rating of 4.9.

- [stepik.org/course/99527](https://stepik.org/course/99527) (Airflow)
- [stepik.org/course/100210](https://stepik.org/course/100210) (ClickHouse)

Also participated in writing courses for Yandex. Wrote 2 modules out of 5 together with the Yandex team.

- [yandex.cloud/ru/training/datamart](https://yandex.cloud/ru/training/datamart)

**ETL** - Apache Airflow, RabbitMQ, Kafka

**BI** - Power BI, Tableau, Superset

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## **CERTIFICATIONS**

- Math for Data Science (6 month course)
- Data Science (6 months course)
- Advanced Database (Computer Science Center)
- Advanced Python (vk.com)

### **A complete list of my certificates (more than 30)**

- [stepik.org/users/29765808/certificates](https://stepik.org/users/29765808/certificates)
- [hashimoto.com/math.pdf](https://hashimoto.com/math.pdf)
- [hashimoto.com/ml.pdf](https://hashimoto.com/ml.pdf)

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## **RECOMMENDATIONS**

### **From: Aralov Alexander Head of Analytics at market delivery.ru**

Dmitrii, the sole DE on my team, built a Clickhouse DWH from scratch, integrating various data sources and creating ETL processes for analysts and data scientists. He also supported DS model deployment, wrote technical specs, and optimized code, demonstrating strong skills and reliability.

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### **From: Nikolay Petrov Head of Analytics 101xp.com**

We worked with Dmitry for about two years, during which he contributed to analytics refactoring and ML implementation. Constantly learning and sharing knowledge, his productivity and ambition set a great example for the team, making him a highly valued team member