

# Aleksandr Krasnov

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Results-driven Data Engineer with over 8 years of experience in building ETL pipelines and data-driven solutions. Skilled in big data technologies and proficient in Python, SQL, data visualization tools. Experienced in implementing streaming analytics tools and creating AB experiments reporting platform. Also have hands-on experience in Typescript, Bash-scripts, Java and PHP

**Tech stack:** SQL, Python, pySpark, Airflow, Clickhouse, Vertica, Apache Flink, RabbitMQ, Google Cloud Platform

## EXPERIENCE

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### Senior Data Engineer

10.2023 – present

*Constructor.com, AI-powered search and product-discovery tools for e-commerce sites*

- Developing analytics as a product using pySpark for data transformations. Providing merchandisers with ClickHouse-powered dashboards that visualize shopper behavior and the effectiveness of manual interventions. Also building a Python service that enables running A/B experiments

### Data Engineer

01.2017 – 10.2023

*Profi.ru, leading services marketplace in Russia with over 12 mln customers*

- Built 1 TB Data Warehouse from scratch using Vertica, aggregating data from various databases and APIs and organizing it into an 1200+ tables anchor model
- Developed impactful visualizations in Tableau and Metabase for strategic decision-making helping company grow with tens of percent increases year-over-year
- Provided real-time insights, constructed a Streaming Analytics system using Apache Flink and a 10 TB ClickHouse database, currently processing about 5,000 events per second
- Led development of an A/B testing platform with a TypeScript splitter service (10,000 TPM, 7 ms) and automated metrics processing that cut result time from 2 days to 5 minutes, handling 10 experiments and 600 metrics daily
- Contributed to achieving a 30% increase in revenue of certain branches by providing a SEO analytics tool
- Developed a DBT like data transformation tool using Python and scheduled by Airflow. Added new features, optimized performance, refactored code, and wrote data quality tests to meet established data readiness SLOs

### Junior Product Manager

02.2015 – 04.2016

*Alfa-lab, online banking department of Alfa-bank – 4th largest bank in Russia in terms of assets*

- Reinvented the way mobile banking app clients use regular payments and provided outstanding user experience, using customer development methodology and data from Google Big Query

### Intern Product Analyst

07.2014 – 09.2014

*Ostrovok.ru, online hotel booking service with \$50 mln raised venture capital*

- Prepared travel market research materials, conducted in-depth analysis to determine the most impactful hotel page content for optimizing conversion rates

## EDUCATION

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### Higher School of Economics

*Master's degree in Management of research, development and innovations*

2016 – 2018

- HSE Olympiad for Students and Graduates in Innovation Management, winner

### Financial University under the Government of the Russian Federation

*Bachelor's degree in International Economic Relations*

2012 – 2016

- Changellenge Cup Russia 2014 case championship absolute 2nd place among 5,000 students

## ADDITIONAL

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**Pet Projects:** Goods marketplaces analytics tool [easysellers.ru](https://easysellers.ru) with 7,500 monthly active users

Open source streaming analytics tool for zero budget marketing [brand-monitoring-bi](https://brand-monitoring-bi.com)

**Languages:** English, German, Russian

**Hobbies:** 42,2 km marathon finisher, beginner in boxing