

# Vladislav Sobolev

SENIOR DATA SCIENTIST · MACHINE LEARNING ENGINEER

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## Summary

Result-oriented Data Scientist with software engineering skills. 5+ years of experience building and deploying machine models for different business tasks, from predicting user retention to automatic content generation. Led a diverse team of 4 data scientists with varying levels of skill. Interested in devising a better problem-solving method for challenging tasks and learning new technologies and tools. Ready for relocation.

## Skills

<b>Programming</b>	Python, Java, C++, Javascript, Typescript, Node.js, LaTeX
<b>Machine Learning</b>	Pytorch, Pytorch-lighting, Tensorflow, Keras, Sci-kit learn, Catboost, XGBoost, Scipy, Numpy, Pandas, Matplotlib, Huggingface, Spacy, OpenCV.
<b>DevOps</b>	Google Cloud, AWS, Docker, Kubernetes, Jenkins, BigQuery, Git, DVC, MLFlow, BentoML, Kafka
<b>Back-end</b>	Python, FastAPI, Django, Flask, SQL, NoSQL
<b>Front-end</b>	React.js, React Native, Expo, Redux
<b>Languages</b>	English - Fluent, Russian - Native

## Work Experience

### SberGames

Moscow, Russia

SENIOR DATA SCIENTIST

Aug. 2021 - Present

- Developed and deployed different models: from classic ML algorithms to 3D mesh generation models using state-of-the-art methods for data platform, marketplace, game studios, marketing, and other departments.
- Created purchase prediction models for mobile games with **accuracy from 70% to 90%**.
- Designed A/B test - wrapping test and research costs and communicating potential value with executives.
- Increased day 1 retention for a mobile game by 10%** by finding gaps in game-design insights using machine learning techniques.
- Built model which predicts 7-day ARPU for a new game marketing campaign **with 86% accuracy**.
- Engineered a recommender system that provides personalized in-game offers that **double conversion rate**.
- Implemented a churn prediction to send **smart push notifications** between gaming sessions to **increase a retention rate up to 20%**.
- Collaborated with other departments to formulate tasks for the data science hackathon.

### BARS Group

Kazan, Russia

SENIOR DATA SCIENTIST

Nov. 2020 - Aug. 2021

- Deployed a robust voice assistant for the analytical system to speed-up interactions with BI products, which work **faster on 60% than competitors**.
- Trained a re-punctuation model which works better than other open-source alternative libraries/models for the Russian language with **more than 90% accuracy**.
- Extended the most popular open-source spell-checking project with a Russian language dictionary with more than 3 million words.
- Mentored a group of junior data scientists on working in a team and being self-productive.

DATA SCIENTIST

Jun. 2019 - Oct. 2020

- Developed a system for disease prediction using patient's anamnesis (in text format), which must be enhanceable for new diseases and development of prediction models.
- Formulated project and system descriptions that **raised more than 250k\$** from the government for the project.
- Implemented the clinical decision support system from scratch that works better than other competitors in Russia.
- Built a custom text-data filtering system in 1 month, anonymizing private patient's data.
- Designed a particular web app for labeling medicine text data which speeds up markup by 100%.
- Trained models' cascade for symptoms extraction with **more than 95% accuracy**.

### Kazan State University

Kazan, Russia

LECTURER (PYTHON)

Sep. 2020 - Dec. 2020

- Reduced time on homework checks by 50% by configuring Github CI/CD.
- Taught "Basics of Python" and "Algorithms and data structures" courses, supervised 30+ students.

## Education

### Kazan State University

Kazan, Russia

MSC IN MEDICINE CYBERNETICS

Sep. 2014 - Jun. 2020

- Medicine, public health, math, statistics, computer science, machine learning