

# Ratibor Sergeev

Machine Learning Engineer

Orsk, Russia

+7 961 913 89 52 | ratibored@gmail.com

GitHub: github.com/ratibored | telegram: Ratibor\_Sergeev

## EXPERIENCE

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### Karpov Courses

Machine Learning Expert

Course: Start ML

Moscow, Russia

August 2024 — Present

Remote

- Optimization and Deployment of ML Models: Development of pipelines using **Apache Airflow**, deployment with **Docker** and **FastAPI**.
- Modeling and Experiments: Assistance with A/B test simulations by students, hyperparameter optimization.
- Student Support: Mentorship, code reviews, and explaining complex topics (A/B testing, Deep Learning, probabilities).

### Project Work

Machine Learning Engineer

Personal Projects

OHTI

February 2024 — April 2024

Remote

- Voice-to-Text Bot: Developed a Telegram bot using **OpenAI Whisper** to process audio files.
- Stoic Quotes Search Engine: Designed and deployed on **Yandex.Cloud** an algorithm for searching stoic quotes in the form of a web service.
- Recommendation System: Developed and deployed a recommendation algorithm on **Yandex.Cloud** as a web service.

### Karpov Courses

Machine Learning Engineer (Intern)

Team: Data Science

Moscow, Russia

August 2023 — February 2024

Remote Work

- Developed classical models using Scikit-Learn, Pandas, and Numpy.
- Applied neural network models with PyTorch.
- Worked with backend frameworks - FastAPI & Flask.
- Handled databases - SQL & SQLAlchemy.
- Orchestrated workflows using Apache Airflow.
- Versioned code using Git & Gitlab.
- Simulated A/B tests.

### Freelance

Fullstack Developer

Landing Pages

Russia

May 2021 — August 2023

Remote

- Created 10+ landing pages using **Django**, **HTML**, **CSS**, and **JavaScript**.
- Conducted analysis and optimization of user traffic, increasing it with semantic data markup.
- Implemented a feedback system for clients, improving customer satisfaction and reducing response times.

## EDUCATION

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### OHTI

Bachelor Degree of Computer Science

Orsk, Russia

2027

## COURSES

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<b>Start ML</b> <i>2024</i>	karpov.courses
<b>ML System Design</b> <i>2024</i>	Open Data Science Community
<b>DLcourse.ai</b> <i>2023</i>	Open Data Science Community
<b>MLcourse.ai</b> <i>2022</i>	Open Data Science Community
<b>Introduction to Data Science and Machine Learning</b> <i>2021</i>	Bioinformatics Institute
<b>Fundamentals of Statistics</b> <i>2021</i>	Bioinformatics Institute

## SKILLS

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**Programming:** Python, Bash, SQL  
**Instruments:** PyCharm, Jupyter Notebook/Lab  
**Data Analysis:** Numpy, Pandas, Polars, pySpark, SciPy  
**Visualization:** Plotly, Seaborn, Matplotlib  
**Machine Learning:** Scikit-Learn, XGBoost/LightGBM/CatBoost  
**Deep Learning:** PyTorch, Keras, TensorFlow  
**Database:** PostgreSQL, SQLAlchemy  
**Backend:** FastAPI, Flask, Django  
**Infrastructure:** Linux, Git, Docker  
**Cloud:** Yandex Cloud  
**MLOps:** Airflow