Sergei Burik

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Education

Moscow State University   2023-2027

Applied Computer Science and Mathematics, 2 year

Projects

ML model for real estate price prediction in Moscow

ML engineer
- Collected a dataset of 5500+ real estate objects
- Cleaned the data from outliers and implemented feature engineering
- Trained XGBRegressor on the data and achieved MAE of 5000$
- Utilized: Python, bs4, Selenium, pandas, NumPy, Seaborn, scikit-learn, XGBoost

Team Project Management Platform

Python software engineer, project leader
- Developed a project management system using a Kanban board (Python)
- Created from scratch and integrated a module for team group chat into the platform (Node.js, WebSockets)
- Utilized: Python, Django, Node.js, WebSockets, SQL, MongoDB, REST API

Business web application builder

Software engineer
- Developed a platform for creating modular web applications for business (modules for service booking, online store, blog)
- Implemented a microservice architecture for the platform (module assembly, service administration, application deployment)
- Utilized: Java, Spring Boot (Cloud, Eureka), MySQL

Real Estate Offers Parser

Python software engineer
- Developed a parser for real estate offers based on requests in a specified area
- Implemented a metric for sorting offers by profitability (prices below market)
- Generated a report on the top best offers based on requests
- Utilized: Python, K-nearest neighbors, S4, Selenium, Geolocator API, JSON

Skills

Languages: Python, Java, SQL (Postgres, MySQL)

Frameworks: Django, Spring, MongoDB

Libraries: Pandas, NumPy, xgboost, scikit-learn, CatBoost, Seaborn, Selenium

Tools: linux, git

Courses

GeekBrains Python University

Yandex Courses (Algorithms and Data Structures, Machine Learning)

Kaggle Courses (ML)