

Eduard Voronkov

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TECHNICAL SKILLS

Languages: Python, Java (17+), SQL, JavaScript, HTML/CSS

Frameworks & Libraries: Django (5.2+), Django Channels, Pandas, asyncio, Requests

Databases: SQLite, Relational Database Concepts

Tools & Technologies: Git, Unix/Linux, WebSockets, Daphne (ASGI), Maven, JDBC, Regex

PROJECTS

Real-Time Multiplayer Battleship Game

Python, Django, WebSockets, Daphne, JS, SQLite

- Developed a full-stack real-time multiplayer game using Django and Django Channels deployed on a Daphne ASGI server.
- Implemented bidirectional WebSocket communication to handle live game state updates (grid status, ship placement, moves).
- Built a real-time text chat functionality for authenticated users.
- Engineered user authentication and a session-based matchmaking system allowing users to create and join game rooms via unique IDs.
- Designed a fully responsive web interface using HTML, CSS, and JavaScript.

Real Estate Data Extraction & Analysis Pipeline

Python, Pandas, Requests

- Developed a script to bypass frontend web scraping by fetching real estate data directly via a JSON API.
- Utilized Pandas and Regex for extensive data cleaning, including extracting exact square footage from unstructured text strings.
- Implemented mathematical logic to calculate the exact price per square meter to identify property value.
- Automated the generation of direct, clickable property URLs and exported the sorted, clean data into CSV format for further analysis.

Core Banking CLI System

Java 17, JDBC, SQLite, Maven

- Built a console-based banking application simulating core bank operations including account management, secure deposits, and atomic transfers.
- Ensured strict ACID compliance for financial transfers utilizing SQLite transaction controls (setAutoCommit(false), commit(), rollback()) to guarantee data integrity and prevent data loss.
- Implemented automated generation of 16-digit card numbers and 4-digit PINs, alongside secure login validation.
- Applied Object-Oriented Design principles and modern Java 17 features (records, enhanced switch statements) for clean, maintainable code.

EDUCATION

Czech Technical University in Prague (FJFI ČVUT)

2023 - Present

Prague, Czechia — BSc in Applied Informatics

Secondary School No. 64

2011 - 2022

Almaty, Kazakhstan — High School Diploma

LANGUAGES

Russian — Native | English — Upper-Intermediate (B2) | Czech — Upper-Intermediate (B2) | Kazakh — Elementary (A2)