AMIR KHANOV

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EDUCATION

National Research ITMO University	**Sep. 2021 – present**
Bachelor of Computer Science and Engineering(CSE)	*Saint-Petersburg, Russia*

SKILLS

Programming Languages	Python, Java, SQL, Bash
Frameworks	FastAPI, Flask, Django
Instruments	PostgreSQL, SQLAlchemy, Pytest, Git, Docker
Languages	Russian (native), English (Advanced)

EXPERIENCE

Backend Developer at Selectel | *Python*　　　　　　　　　　　　　　　　　Oct. 2022 – present

- Developed the backend for a service as the Google Calendar using the 'Repository pattern' implementation as an additional level of abstraction
- Created api endpoints for DCIM system using **JsonRPC** and **REST API** protocols
- Participated in **code review** of colleagues
- Created articles in **Confluence**
- Used GitLab **CI/CD**, **Git** and a task tracking system **JIRA**
- Helped to **upgrade** existing projects
- Technologies: [Flask, FastAPI, PostgreSQL, Alembic, Pydantic, Docker, GitLab]

PERSONAL PROJECTS

RESTful Service | *Python*　　　　　　　　　　　　　　　　　　　　　　　GitHub, 2023

- The program accepts **HTML** requests from client, as 'to add user' or 'to search all product cards of this user', and sends responses
- From the technical side the project is built on FastAPI framework and implements **Repository Pattern**
- For the data storage there be used **PostgreSQL** as database, SQLAlchemy ORM, Alembic for the **migrations**, and MinIO as an **S3 storage**. So you can work with videos, files, images and whatever you want!
- The whole app you can run just with a simple **docker** command

Client-Server application | *Java*　　　　　　　　　　　　　　　　　　　　GitHub, 2022

- Implemented a console application that manages data interactively
- The application is divided into client and server parts
- Implemented data conversion from **JSON** and validation on the client with sending ready-made instances to the server and to database **PostgreSQL** for execution
- Programming patterns are implemented (Singleton, Iterator, Commands, Decorator)

ACHIVEMENTS

- Olympiad for students "Rosatom" in mathematics 2020, Prize Winner
- Olympiad for students "Kurchatov" 2020, Prize Winner