

Oskar Sharipov

oskaratwork@riseup.net | github.com/igoose1

Work Experience

Parla, language learning platform Apr. 2023 – present
Software Engineer Remote

- Design a MVP of a backend system from scratch in a month
- Build prompts and a toolchain for large language models
- **Technologies:** FastAPI, asyncio, SQLAlchemy, PostgreSQL, Redis

Maroom, rental housing management Sep. 2021 – Jun. 2022
Software Engineer Remote, Russia

- Reduced code size by 20% through codebase simplification and optimization of the CRM, CMS, and client API
- Mentored 1 junior programmer, helped to recruit 2 specialists
- **Technologies:** Django Rest Framework, Celery, PostgreSQL

Flypika, outsource app development Jan. – Oct. 2021
Sole Backend Engineer Remote, Belarus

- Managed all DevOps tasks for the project, including deployment and server management
- Identified and resolved a critical bug in an affiliated project that had challenged others, leading to a successful pivot
- **Technologies:** Django Ninja, PostgreSQL

Projects

Secret Santa 2023 – 2024
Maintainer [Github](#)

- Engineered a Telegram bot and a web interface to coordinate a global gift exchange for 250 community members across 37 countries
- Solved a complex graph problem to generate a circular gift-matching cycle that accommodated participants' shipping constraints and preferences
- Managed communication, troubleshooting, and conflict resolution, ensuring timely and satisfactory gift delivery for all
- **Technologies:** Python, aiogram, FastAPI, MongoDB, Unix shell scripting, jq

Wedne 2023
Maintainer [Github](#)

- Engineered a Python-based system allowing distributed clients to seamlessly synchronize and execute tasks under the guidance of a central server
- Server is written in Python but still capable of handling 1000 RPS
- **Technologies:** FastAPI, httpx, Telethon, Redis, SQLite

Extra

- Teacher of Algorithms and Data Structures at a highly regarded programming school in 2022
- Winner of the All-Russian School Olympiad "Vishaya Proba", ranking in the top 1% of participants

Education

ITMO University 2020 – 2021
Coursework toward Bachelor in Applied Mathematics & Computer Science Russia

- **Courses:** Algorithms and Data Structures, Mathematical Analysis, Discrete Mathematics

Skills

- **Web:** REST, FastAPI, Django, Flask
- **Programming Languages:** Python, Go, C
- **Deployment:** Bare metal, Cloud, Docker, Gitlab CI/CD, Github Actions
- **Databases:** PostgreSQL, SQLite, MongoDB, Redis