

# Oskar Sharipov

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## Work Experience

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**Dazzl**, job interview simulator

Apr. 2023 – present

Software Engineer

Remote

- Crafted an adaptive chat system that serves personalized mock-interview scenarios to applicants
- Engineered a flexible system for configuring LLM prompts, allowing non-technical CEO to validate hypotheses in real time
- **Technologies:** FastAPI, asyncio, PostgreSQL, Redis

**Maroom**, rental housing management

Sep. 2021 – Jun. 2022

Software Engineer

Remote, Russia

- Engineered a role-aware CRM API for internal use, enabling managers to efficiently compute utility expenses, process product subscriptions, assign housing, and secure sensitive documents
- Reduced code size by 20% through codebase simplification
- 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

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**Secret Santa**

2023 – 2025

Maintainer

[Github](#)

- Coordinated a global gift exchange for 500+ community members for two years
- Developed a Telegram bot and web interface for registration and anonymous communication
- Designed an algorithm to generate a circular gift-matching cycle, accommodating participants' shipping constraints and preferences
- Managed communication, and conflict resolution, ensuring a 99% gift delivery rate
- **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 4000 RPS
- **Technologies:** FastAPI, httpx, Telethon, Redis, SQLite

## Extra

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- 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

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**ITMO University**

2020 – 2021

Coursework toward Bachelor in Applied Mathematics & Computer Science

Russia

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

## Skills

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