

Elizaveta Semenova, Python Backend Developer

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SUMMARY

Python Backend Developer with experience designing and scaling robust and maintainable REST APIs using FastAPI, Flask, and DRF. Skilled in service-oriented and microservice architectures, CI/CD, and high-traffic production systems, with a focus on scalability, reliability, and performance. Collaborative team player who articulates technical vision, learns from senior engineers, and contributes to elegant, sophisticated backend systems.

EDUCATION

Software Engineering, Artificial Intelligence — September 2024 - Present

Centennial College, Toronto, Canada

Bachelor of Software Engineering— September 2022 - August 2024

MEPHE University, Moscow, Russia

SKILLS

Python, FastAPI, Flask, DRF, SQLAlchemy, REST API design, SOA, Microservices, CI/CD, testing (Pytest, Factory Boy), Docker, Nginx, SQL, PostgreSQL, Redis, Elasticsearch, Agile/Scrum

EXPERIENCE

Yandex Maps, Python Developer - December 2024 - July 2025

- Designed and maintained robust REST APIs for 2M+ user reviews and location data, implementing authentication, pagination, error handling, and versioning for highly scalable services.
- Built new features on a microservice architecture, collaborating with senior engineers to improve system reliability and reduce downtime by 15%.
- Led API schema evolution, ensuring backward compatibility and optimizing queries, which improved recommendation performance by 20%.
- Integrated NLP-based moderation and recommendation APIs, enhancing review quality and reducing spam by 25%.
- Increased test coverage from 60% → 80% and automated CI/CD pipelines, accelerating feature deployment by 30%.
- Participated in Agile architecture discussions, proposing solutions for elegant, maintainable backend systems.

Stack: Python, FastAPI, Flask, SQLAlchemy, Pandas, REST API design, Microservices & SOA, CI/CD, Pytest, Factory Boy, Docker, Nginx, SQL, Agile/Scrum collaboration, NLP

Yandex, Python Bot Developer - January 2023 - December 2024

- Developed a Telegram bot backend serving 500k+ users, handling 20k+ daily requests with sub-200 ms latency, ensuring high reliability at scale.
- Designed and optimized scalable, versioned APIs with authentication, rate-limiting, and caching, improving response consistency by 35%.
- Migrated core services from Django REST Framework to Flask, reducing response time by 35% and simplifying future feature expansion.
- Collaborated with frontend and mobile teams to standardize API contracts, ensuring smooth client-server integration and reducing bug reports by 20%.

Stack: Python, Aiogram, DRF, REST API design, Microservices, Authentication & Rate Limiting, Caching, CI/CD pipelines, Docker, Nginx, JSON schemas

Yandex, Python Developer Internship - October 2023 - January 2023

- Contributed to backend API development and testing for production systems, learning from senior engineers and participating in cross-team feature design.

Ozone Marketplace, Python Developer Internship - May 2022 - September 2022

- Rewrote and updated unit and integration tests to modern frameworks, improving reliability and maintainability of core systems.