Elizaveta Semenova, Backend Developer

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SUMMARY

Backend developer with 1.3 years of experience in commercial projects, have worked in a collaborative team at Yandex. Specialized in building scalable web applications and intelligent chatbots. Began as a Python Telegram bot developer and evolved into backend development through hands-on experience across all stages of development lifecycle. Proven ability to meet deadlines, collaborate with team, and maintain task accuracy. Currently studying machine learning to expand technical depth.

EDUCATION

Python Developer Professional Training Course - September 2022 - March 2024
Yandex Practicum, Moscow, Russia

Software Engineering, Artificial Intelligence — September 2024 - Present
Centennial College, Toronto, Canada

TECHNICAL SKILLS

Languages/Frameworks: Python, JavaScript, C#, SQL, PostgreSQL, SQLAlchemy, Django, Django Rest Framework(DRF), Flask, FastAPI, Oracle

Tools/Libraries: Aiogram, Aiogoogle, Selenium, Scrapy, Pandas, Djoser, Alembic, Celery, Swagger, Poetry

DecOps/Technologies: Docker, Docker Compose, AWS, NGINX, Gunicorn, RESTful API, Web Scraping, iOS, Android

Practices: TDD, Unit Testing, CI/CD, Algorithms

Other Tools: Git, GitHub, Jira, Postman, DBeaver, Linux, Figma

EXPERIENCE

Yandex, Python Bot Developer

April 2023 - July 2024

- Developed and deployed a Telegram bot used by over 500,000 users, handling more than 20,000 daily messages with a response time under 200 ms in Dockerized environment, using Docker, asynchronous Python and Aiogram.
- Implemented a responsive UI with Aiogram and handled all database operations via SQLAlchemy, including creating and querying user data, admin roles, and conversation logs.
- Built background task queues and admin tools using Celery.
- Reduced API request handling time by 35% by migrating a scalable RESTful API from Django Rest Framework (DRF) to Flask.
- Contributed to Dockerized deployment and helped to set up a CI/CD pipeline that reduced deployment time by 30%.
- Developed a Telegram bot using the python-telegram-bot library to monitor student work status across 3 major college systems, delivering real-time alerts to users and reducing the manual status checks by 100%.
- Achieved over 800 active users within 2 weeks of launching the chatbot.