

Zhengis Bekassyl

Backend Developer
zhenisbekassyl@gmail.com

SUMMARY

Backend Developer with a strong foundation in Machine Learning and Computer Vision, specializing in YOLO-based systems. Experienced in building backend services with FastAPI and Django, integrating ML models into scalable, data-driven applications. Focused on developing reliable systems that bridge AI models and real-world use cases.

SKILLS

Python Django Django Rest Framework FastAPI Scikit-Learn YOLO
Git Nginx Pandas Numpy SQL Redis SQLAlchemy Docker

WORK EXPERIENCE

Backend Developer, YOLO Developer

2023 – 2025

My activity:

- Implemented and deployed a YOLO-based object detection system to production, including object replacement logic and further processing via a REST API.
- Developed zone monitoring via RTSP streams to detect when a person leaves a predefined area.
- Built a fully functional drama-watching website using Django Rest Framework, deployed and running in production.
- Developed web scrapers and parsers using Python libraries such as **requests** and **Selenium** to collect and process data.
- Integrated external APIs, including 2GIS, to enhance application functionality and provide real-time data services.
- Continuously optimized backend performance by implementing caching strategies and resolving N+1 query issues.
- Applied Hugging Face **transformers** library for NLP tasks, implementing encoder-decoder models and integrating them into backend pipelines.
- Implemented structured logging and monitoring for backend services to ensure reliability and facilitate debugging.

EDUCATION

SDU University

2023 – 2027

Bachelor's Degree in Computer Science

Relevant courses:

- Fundamentals of Programming
- Programming Technologies and Educational Practice
- Introduction to Algorithms
- Software Architecture and Design Patterns
- Database Management Systems 1
- Machine Learning
- Data Collection and Analysis
- Python for Data Analysis

ADDITIONAL COURSES / CERTIFICATIONS

- Python Generation: Beginner Course
- Python Generation: Advanced Course
- Python Generation: OOP
- Django 4 (SelfEdu)

OTHER SKILLS

Languages: Russian (C1), Kazakh (C1), English (B1+)

Professional Skills: Strong communication, teamwork, problem-solving, adaptability, quick learning