Erzhan Zhusupov

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Education

- Master's degree in Software Development | North American University, Houston, USA | expected graduation: 2026
  Mastered Skills: Data Structures, Algorithms, Web Development, Database Management
- Bachelor's Degree in Economics and Business Administration | Cassino University, Cassino, Italy | 2021–2024
  Mastered Skills: Economics, Data analysis, R, Finance, Market analysis, Management

Work experience

Junior Python Developer in NextDevs: *11/2023-12/2024*

- Developed and maintained RESTful APIs, ensuring efficient interaction between frontend and backend. (Django REST)
- Optimized application performance and worked with databases (PostgreSQL).
- Conducted testing, debugging, and improved API security, reducing security risks by 13%.
- Refactored existing code to improve readability and maintainability.
- Developed efficient search algorithms using binary search, doubling system performance and reducing response time.

Personal Projects

Website parser:
The programs that automatically extract information from web pages or other data sources. Analyze the structure of the document, find and extract the necessary information (texts, images, links, etc.), and can store or process this data for further use.

Online Store:
An online store has been created to automate the sale of products online. The system analyzes the structure of web pages, extracts product information, prices, and availability, updates the catalog, and processes orders.

FlashCard Application:
This application features advanced functionality for creating custom flashcards and an algorithm designed to help users efficiently study and memorize content

Key Skills

- Programming Languages: Python, Pl/SQL, Java
- Frameworks: FastAPI, Django
- Tools/Technologies: bash, Git, Docker, SQLAlchemy, Aiogram, Numpy, Pytest, Postman
- Databases: PostgreSQL, Oracle
- Web Development: HTML, CSS
- General: Functional programming, OOP principles, REST

Certificates

- "Python Generation": course for beginners | Stepik
- Comprehensive bootcamp on Databases and PostgreSQL |Megalab, Bishkek, Kyrgyzstan

Languages

Kyrgyz Native | Russian Native | English Advanced | Italian Intermediate