



# Beatris Ilieva

Python developer

3 years of backend development through iterative projects, each adding complexity and new technologies. Building production-ready applications with clean architecture, REST APIs, JSON/data parsing, PDF processing, asynchronous processing, and external system integration. Recently expanding into AI integration with LangChain, Pinecone and OpenAI. Driven by curiosity and a willingness to learn.

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## TECHNICAL SKILLS

### Languages

Python, JavaScript

### Databases

PostgreSQL, Pinecone

### Frameworks

Django, Django REST Framework, LangChain, React

### AI/ML APIs

OpenAI

### DevOps (basic experience)

Azure, AWS, CI/CD, Docker

## PERSONAL PROJECTS

### DRF React Gems (04/2025 - 09/2025)

- ◇ E-commerce platform built with Django REST Framework, React, and SCSS
- ◇ PostgreSQL database design following 1NF, 2NF, and 3NF normalization principles
- ◇ Conversational AI with GPT-4 and LangChain RAG architecture for product consultation
- ◇ Pinecone vector database with OpenAI embeddings from PDF processing for semantic search
- ◇ Asynchronous processing using Celery and Redis Cloud for background tasks
- ◇ JWT authentication system with user management and role-based access control
- 🔗 Repository with full documentation: [github.com/BeatrisIlieva/drfr-react-gems](https://github.com/BeatrisIlieva/drfr-react-gems)
- 🔗 Live application: [drf-react-gems.web.app](https://drf-react-gems.web.app)

## EDUCATION

### Software Engineer with Python

Software University (SoftUni)

09/2022 - 09/2025

Sofia, Bulgaria

Acquired the professional qualification [Software Engineer with Python](#). Throughout my education, I successfully completed courses in Python OOP, PostgreSQL, Django, AI Integrations for Developers, and more. My diploma project - DRF React Gems - was recognized as one of the top three best projects. Since then, I've expanded it with conversational AI capabilities and plan to invest the award in AI and Machine Learning education starting in March 2026.

## LANGUAGES

### English

Full Professional Proficiency

### Bulgarian

Native