

# Andrey Ryapov

Software Engineer

Bulgaria, Plovdiv

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## EDUCATION

2018 - 2022 B.Sc. in Software Engineering, Plovdiv University "Paisii Hilendarski", Bulgaria

## TECHNICAL SKILLS

Python, SQL (MSSQL, PostgreSQL), Flask, FastAPI, SQLAlchemy, Pandas, Plotly

Azure (Functions, Analytics (KustoQL), Cognitive Search, Storage (Blob, Queue))

Git, Linux, Poetry, mypy

## WORK EXPERIENCE

**FairSignals** / Software Engineer (Python) / *October 2020 - current*

- Created an internal tool for transforming tables and views from the database into sqlalchemy models + marshmallow schema for the flask API. This has increased the speed and availability of updating and adding models to the API.
- Designed and developed a system for the Data Validation process. For this task, I used Azure Analytics, Azure Functions and a self-written library in python to create "data validation" suites.
- Created a Python web parser that fetched data from XML / JSON files and then created an ETL process that loaded the data into Azure SQL DB and Azure Blob Storage.
- Added type hints to the backend and azure functions codebase. Because of this, most bugs were caught while checking with "mypy". It also improved the readability and maintainability of the code.

## MY PROJECTS

**Musilly:** [musilly.live](https://musilly.live) a unique application for finding a double by musical taste, storing music in one place from different music services (SoundCloud, Spotify, Youtube Music) and transferring music from one service to another.

## LANGUAGES

**Bulgarian** — Native  
**English** — Intermediate

**Russian** — Native