

ILYA ISTOMIN

Data Engineer

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PROFESSIONAL SUMMARY

Data Engineer with **4+ years of hands-on Python and data experience**: production ETL pipelines, large-scale web scraping, and PostgreSQL systems designed from scratch. **BSc in Software Engineering (Data Engineering specialization), completed 2026**, taught fully in English; strong mathematical foundation from HSE Moscow. **Full work authorization in Spain — available immediately.**

WORK EXPERIENCE

ABRIS VYATKA – Data Engineer

Russia (hybrid)

Nov. 2021 – Jul. 2023

- Built and operated a **daily ETL pipeline** scraping thousands of SKUs across three marketplaces (Wildberries, Ozon, Yandex Market), feeding weekly pricing reports; the pricing strategy it enabled contributed to **weekly revenue growth from ~1M to ~3M RUB (3x)**.
- Designed and deployed the company's **first PostgreSQL database**, replacing Excel-based workflows for a 20–40 person team; owned schema design, migrations and access patterns.
- Developed a **Telegram bot for courier logistics** with GPS tracking and route optimization (travelling-salesman heuristics).
- Automated brokerage operations via the **Interactive Brokers API**.
- Optimized SQL queries and reporting jobs, **cutting report generation time by 90%**.

FREELANCE – Python / Data Developer

Madrid / Remote

Aug. 2023 – Present

- Backend and data-automation projects for inbound clients while completing a full-time degree: async APIs (FastAPI, AsyncIO), web scraping, OAuth2/JWT, Docker-based deployments.

CNIPI STARK LLC – Software Engineering Intern

Remote

Feb. 2026 – Mar. 2026

- Curricular internship at an industrial engineering institute, **grade 9.3/10**: configured Linux servers for the analytics team (SSH, firewall rules); Python scripts automating data extraction and report generation (pandas) for the commercial department.

CROC INC. – Junior Systems Engineer (Linux administration, networking)

Moscow • Sep. – Nov. 2021

SELECTED PROJECTS

- CyberDuel — End-of-Degree Project (public defense, 2026)**: peer-to-peer prediction market for esports: escrow ledger, order-book and parimutuel matching, optimistic oracle with dispute window, deterministic settlement; concurrency load experiments to establish system limits.
- Fuel Price Radar** (GitHub): fuel price intelligence pipeline — daily prices from ~11,500 Spanish gas stations (government API) + weekly EU-wide benchmarks since 2005; PostgreSQL, automated daily ETL, green CI.

EDUCATION

U-tad – University of Technology and Digital Arts

Madrid, Spain

BSc in Software Engineering, specialization in Data Engineering

Sep. 2023 – Jun. 2026

- Specialization GPA 8.7/10; **Matrícula de Honor (top distinction) in Machine Learning**.
- Coursework: Machine Learning I–II, Data Processing, Advanced Databases, Information Retrieval, Data Visualization.

HSE – Higher School of Economics

Moscow, Russia

Specialist programme in Computer Security (4 years completed)

Sep. 2018 – Dec. 2022

- Advanced mathematics core: calculus, linear algebra, probability theory, statistics, cryptography.

TECHNICAL SKILLS

Languages & Data:	Python (advanced), SQL (PostgreSQL, optimization), Pandas, NumPy
Data Engineering:	ETL pipeline design, web scraping at scale, SQLAlchemy, Alembic, Redis
Backend:	FastAPI, AsyncIO, REST API design, WebSockets, OAuth2/JWT
Infrastructure:	Docker, Docker Compose, Linux, GitHub Actions (CI/CD), Git, AWS (S3, EC2)
ML (coursework):	scikit-learn, supervised/unsupervised models, computer vision basics
Languages:	English — fluent (BSc taught entirely in English) • Russian — native • Spanish — B1