Levente Lukács

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Summary

Highly motivated data professional with 4+ years of experience in the field. Proficient in Python and SQL, with a proven ability to collaborate with cross-functional teams to deliver data-driven solutions.

Skills

Programming: Skilled in Python, SQL, and Git. Good understanding of database schemas and test-driven development. Experience with Google Cloud, Java (Spring Boot), and Groovy

Tools: PostgreSQL, MS SQL Server, Google BigQuery, Google Ads, Dagster, Airflow, Jira, GitLab, Docker, Confluence

AI instruments: PyTorch, Sklearn, NumPy, Ollama, pgvector, RAG, LLM APIs

Languages: English (C1), German (B2), Spanish (B2), Hungarian (native)

Experience

Aug 2023 – Aug 2025 **Backend Engineer / Data Engineer**, Smarter Ecommerce (smec) – Vienna, Austria

- Collaborated on the planning and execution of customer-specific software projects, engineering data pipelines using the BigQuery API to process customer data and ensure high data quality.
- Developed in-house software platform, focusing on the integration of GCP client data.
- Streamlined client data onboarding to Google Cloud for approximately 100 clients, integrating data from various sources, improving efficiency by up to 42%. Concurrently delivered technical support to 200+ clients.
- Acted as a contact person for our client facing teams and product teams to communicate and solve client requests.
- Served as technical lead on 5 critical, high-revenue client accounts.

Aug 2022 – July 2023 **Data Analyst**, RHI Magnesita – Vienna, Austria

- Designed and automated data pipelines using SQL and Power Automate, reducing report generation times by 30%.
- Enhanced data quality and reliability across enterprise dashboards through schema standardization and KPI validation.
- Partnered with the Data Science team to optimize data access for predictive modeling and performance analytics.

Apr 2021 – June 2022 **IT Advisor**, KPMG – Budapest, Hungary

- Contributed to the data warehouse integration during a three-bank merger, ensuring ETL consistency and regulatory compliance (Oracle DWH, cloud testing).
- Delivered automated data validation reports and KPI dashboards supporting BCBS239-related reporting activities.

July 2020 – Mar 2021 **SDET**, GRAPHISOFT SE – Budapest, Hungary

- Developed automated testing frameworks to validate backend data integrity and API workflows in Linux environments.
- Supported multiple QA and development teams in CI/CD environments with Git-based version control and continuous validation.

Projects

July 2026 – present **Budapest Transit Copilot**

Bilingual (HU/EN) AI assistant and open-data analytics site for Budapest public transport, built solo and self-hosted

- Built a tool-calling LLM agent on the live BKK API with hybrid RAG (pgvector + full-text, RRF)
- Evaluated 7 models on a held-out set with two LLM judges; 26/26 correct tool calls at $0.001 per query
- Built a GTFS-RT pipeline processing 800k events a day into a nightly punctuality report

Education

Sept 2025 – present **IMC Krems**, MSc in Engineering Responsible AI Systems – Krems an der Donau, Austria

- Part-time studies focused on AI architecture, Cloud Computing, Machine Learning, and Responsible AI principles.

Sept 2016 – Feb 2021 **Óbuda University**, BSc in Technical Management – Budapest, Hungary

- Bachelor's degree with IT specialization focused on databases, computer networks, and applied statistics.

Sept 2019 – Feb 2020 **Universidad Politécnica de Valencia**, Erasmus Semester in Business Administration and Management – Valencia, Spain

- Exchange semester emphasizing business informatics, data analytics, and digital economy.

Sept 2014 – Aug 2015 **Eötvös Loránd University**, Studies in Computer Science – Budapest, Hungary

- Introductory studies in computer science with a focus on algorithms, mathematics, and programming fundamentals.