Yavuzhan Yavuz

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EDUCATION

KU Leuven, Leuven, Belgium   **September 2022 - June 2024**
Master of Science, **Business Engineering**
Major: Data Science and Business Analytics. Grade: Cum Laude

Bogazici University, Istanbul, Turkey   **September 2016 - June 2020**
Bachelor of Science, **Industrial Engineering**
Achievements: Ranked 296th (0.02%) among 2 million students in the University Admission Exam.

WORK EXPERIENCE

Analytics Engineer at Eurocontrol   **September 2024 - Present**

- o Developing, maintaining and managing over 30 data pipelines that eventually feed the data served in Power BI dashboards and other reporting tools. Responsible for quality, accuracy, and integrity of data in reports and dashboards.
- o Designed and delivered interactive Power BI dashboards tailored to stakeholder needs, enabling real-time insights and improving data-driven decision-making. Applying various data warehouse architectures and Kimball's data modelling techniques depending on the use case.
- o Evaluating business needs, technical constraints, and resource availability to design and deliver optimal data solutions to stakeholders. Making strategic decisions by evaluating trade-offs in scalability, performance, and cost to ensure data solutions align with both short-term needs and long-term company goals.
- o Conducting data manipulation and analysis using Python and Oracle SQL, handling large datasets to support analytics and reporting needs.

Data Engineer at Realo (Belgium, part-time student job)   **October 2023 - August 2024**

- o Developed data pipelines and data processing scripts for web scraping projects using PHP and Python.
- o Designed and implemented ETL processes to clean, transform, and load data into AWS S3 buckets.
- o Built and evaluated regression models, utilizing GeoPandas for advanced geospatial/location analysis.

Data Analyst at IKEA (Belgium, full-time student job)   **July 2023 - September 2023**

- o Hired for a particular project, validation of Google Analytics 4 transition, ended up delivering 4 projects and extension of the contract.
- o Analyzed terabyte scale web and transactional datasets to validate transition completed correctly. Ensured data accuracy and consistency, positioning Belgium as the first country to deliver in-depth global transition validation analysis.

Product Data Analyst at Arteria Ventures (Remote, Turkey)   **May 2022 - June 2023**

- o Developed AWS Redshift SQL stored procedures and Python scripts for data warehousing and data modelling, facilitating streamlined data access to different teams.
- o Actively engaged in stakeholder management, creating ad-hoc reports and Quicksight dashboards to support strategic and operational decision-making across product, marketing, and finance teams.
- o Built RFM customer segmentation and churn prediction models, leading to a 12% increase in retention.
- o Established proper subscription tracking system by processing raw subscription and click stream data.

(Senior) Business Intelligence Consultant at Solvoyo (Turkey)   **March 2020 - March 2022**

- o Promoted to senior in 1 year, earliest promotion in company's history.
- o Led onboarding and ongoing support for two major clients, including Turkey's largest grocery chain and a multinational retailer, delivering tailored BI solutions. Acted as the main point of contact for product deployment, data integration, and dashboard support, ensuring successful client adoption and satisfaction.
- o Solid experience with Microsoft SQL Server. Writing complex and efficient queries on large transactional datasets to extract insights or identify gaps in business processes and communicating with stakeholders.
- o Initiated, prepared, and standardized the company's onboarding program for newcomers.

SKILLS

Programming: Python (polars, pandas, duckdb, geopandas), PySpark, R, SQL, PHP

Tools: Jira, Git, Power BI, Looker, Tableau, Quicksight, Excel, Power Query

Concepts: Data Modelling, Data Analysis and Visualization, Machine Learning, LLMs, Web Scraping, Geospatial Analysis, Mathematical Modelling, Operations Research, Optimization, Computer Vision

Languages: English (fluent), Turkish (native), Dutch (A2)