

Hubrechts Maarten

DATA ENGINEER / ARCHITECT

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Summary

MSc in Computer Science with a passion for data. Experienced in data engineering and architecture, building data-driven solutions and migrating projects to the public cloud. An enthusiastic team player who is eager to learn and not afraid to take on ownership.

Education

Vrije Universiteit Brussel

Brussels, BE

MSc in Applied Sciences and Engineering: Software Languages and Software Engineering

2016 - 2018

- Magna Cum Laude

ETH Zürich

Zürich, CH

Master of Science: Computer Science

2017

- Exchange Program

Vrije Universiteit Brussel

Brussels, BE

Bachelor in Computer Science

2013-2016

- Cum Laude

Work Experience

VDAB

Brussels, BE

Big Data Engineer

2023 - present

- Analyzing and implementing a PoC for the ongoing migration from on-premise infrastructure to AWS, focusing on SageMaker.
- Capturing OpenLineage logs and ingesting them into DataHub for use within the AI team.
- Optimizing AWS Lambda functions to enhance performance and significantly reduce cloud costs.
- Deployment, maintenance and monitoring of machine learning models (MLOps).

Addestino

Zele, BE

IT Consultant

2022 - 2023

- At Addestino I worked on various (big) data engineering and data architecture related projects. Addestino is a technology consulting company, working on the edge of business and technology, be it for strategy & innovation or digital transformation & implementation.

NBB (via Addestino)

Brussels, BE

Data Engineer

2023

- Conducted functional analysis and implemented a data catalog within the bank using Azure Purview.
- Integrated the data catalog with various technical components, including Databricks and the data warehouse.
- Organized data architecture workshops to align business and IT.

Meat&More (via Addestino)

Aalter, BE

Data Architect / Product Owner

2022

- Design and implementation of a mature, future-proof data architecture for reporting and data science needs.
- Captured business feedback, determined feature priorities, and tracked long-term goals to ensure deadlines were met.
- Communicated progress to management and business stakeholders effectively.

KBC Bank & Verzekeringen

Leuven, BE

Big Data Engineer

2020 - 2022

- Technical implementation of various big data driven projects ranging from personalized advertisement to anti-money laundering.
- Deployment, maintenance and monitoring of machine learning models (MLOps).
- Migration of large scale project from on-premise infrastructure to the public cloud (AWS).

Vrije Universiteit Brussel

Brussels, BE

PhD Researcher & Teaching Assistant

2018 - 2020

- Conducting research at the intersection of software engineering and data science to develop programming methods/frameworks to better integrate machine learning techniques into the software development process.
- Teaching assistant for the computer science bachelor course "algorithms and data structures".

Skills

Programming Languages	Python, Scala, SQL, Elixir, JavaScript
Big Data & Analytics	Apache Spark, Apache Hadoop, Apache Hive, Apache Impala, Apache Parquet/Iceberg
Databases	PostgreSQL, MongoDB, MySQL, Redis
Cloud Platforms	AWS (SageMaker, Lambda, S3, EC2, ...), Azure (Synapse Analytics, Data Factory, ADLS, ...)
Orchestration & (AI) Infrastructure	Apache Airflow, Docker, Portainer, Conda, Poetry, Fluentd, LangChain, MLflow
Data Management & Lineage	OpenLineage, DataHub, Azure Purview, Marquez
CI/CD	GIT, GITLab CI/CD, Azure DevOps, Jenkins, Concourse
Soft Skills	Teamwork, Problem-Solving, Knowledge Sharing, Documentation, Presentation

Certifications

2023	Azure Data Engineer Associate , Microsoft Certified (+ 2024 renewal)
2023	Azure Data Fundamentals , Microsoft Certified

Languages

Dutch	Native Proficiency
English	Professional Proficiency
French	Limited Working Proficiency