Henry Hüske

Portfolio

Hindegade 6
1303 København K
Denmark
📞 *+45 78 78 26 14*
✉ *interested@henry-hueske.com*
🌐 *https//www.henry-hueske.com*

My offers

Based on many years of experience in data engineering and database migration I offer:

- Performing development tasks in the areas Data Warehouse (DWH), ETL and geodata
- Support with the transfer of your data warehouse into the cloud infrastructure (AWS, GCP) or to a different cloud provider
- Performance optimization of your data warehouse processes and database queries

Your benefits

Working with me has the following benefits:

- The replacement/migration of your data warehouse takes place in a structured way and with the smallest possible downtime.
- The optimization and acceleration of data warehouse processes brings your data to its destination in a faster way and enables you to carry out more timely analyzes.
- The knowledge of your employees increases through my technical support and guidance.

Professional and project experience

since 04/2020   **Senior Data Engineer**, *Ubitricity - Gesellschaft für verteilte Energiesysteme mbH, Germany*, Remote

The company is a provider of charging solutions and infrastructure for electric vehicles based in Berlin, Germany. My project task in the early stage of the project was to create a new data warehouse using cloud technologies to enable an aggregated and harmonized view of the data from different source systems. The implementation is carried out using Google Cloud BigQuery as a data warehouse solution, Terraform for creating infrastructure as code, the ELT approach with Data Vault modelling for loading the data warehouse and Tableau as a visualization tool. The source data of approx. 100 GB are extracted primarily from MariaDB and MongoDB. In the project, it is my job to plan, operate and implement the entire process for creating the data warehouse infrastructure and loading processes. Currently, due to compliance reason, the whole infrastructure is migrated from GCP/BigQuery to AWS/Databricks. In terms of content, I am supported by ProductOwners and employees of the BusinessIntelligence team.
(Technologies used: Google Cloud, BigQuery, MariaDB, MongoDB, Terraform, Data Vault, Python, Databricks)

08/2021 – 10/2023   **Senior Data Engineer, Requirements Engineer**, *Motius GmbH, Germany*, Remote

I was working for a large international group with a project team from a project service provider. My project task in the early stage was the implementation of complex KPI calculations using pandas and Jupyter notebooks. The goal was to decide whether the existing infrastructure for the KPI calculations can be replaced by a more modern infrastructure using AWS and Snowflake. In the next project stage, we were focusing on the PoC-implementation of the data pipelines for one KPI using AWS, Snowflake, and AWS Glue. The last project stage until Go-Live included the production implementation of data pipelines for the whole product. In that stage, I was mainly working as requirements engineer.
(Technologies used: Python, Snowflake, AWS, Pandas, Jupyter Notebook)

05/2021 – 08/2021   **Data Analyst & Data Engineer**, *Motius GmbH, Germany*, Remote

I worked for a large international group with a project team from a project service provider. My project task was to write database queries in Snowflake for data warehouse objects originating from different sources. Additionally, I aligned with the frontend and the business team in order to discover technical requirements.
(Technologies used: Snowflake)

01/2021 – 04/2021   **Database Engineer**, *Motius GmbH, Germany*, Remote

I worked for a large international group with a project team from a project service provider. My project task was the database support for Oracle DB 12.2 to check whether a replication of ERP data can be realized via an Oracle database in AWS RDS (Amazon Web Services - Relational Database Service) to Snowflake. The replication volume to be checked is approximately one billion transactions per day for about 50+ ERP databases with an aggregated size of 42 TB.
(Technologies used: Amazon Web Services, AWS RDS Oracle DB, Snowflake)

2015 – 2019	**Senior Data Engineer**, *Avantgarde Labs GmbH (as employee)*, Dresden, Germany
	IT service provider with approx. 40 employees. My job as employee included technical support for the ETL team of a large German e-commerce provider for electronic items; the ETL infrastructure consisted of 300 to 400 ETL jobs. On the one hand, I was responsible for creating, changing and optimizing ETL jobs using Talend Studio DI, and on the other hand for planning ETL processes and prioritizing tasks for a team of up to 5 employees. In the 5 years in the project three different Talend versions (5.3.1, 6.2.1, 7.0.1) were used. When upgrading the Talend Studio versions including the associated infrastructure components (Talend Administration Center, Nexus, git / SVN), I took over the technical coordination of the necessary steps in coordination with internal and external employees. A central database with a size of approximately 2 TB was used to combine the data from various source systems; until 2017 it was an Oracle database in version 11g R2, after that the database was migrated to PostgreSQL 9.6 and ETL infrastructure was transfered to the cloud (Google Cloud Platform using "Cloud SQL" for the database and VMs for the infrastructure components).
	(Technologies used: Google Cloud, Oracle DB, PostgreSQL, Talend, Docker)
2009 – 2014	**Data Engineer**, *Tele-Kabel-Ingenieurgesellschaft mbH (as employee)*, Chemnitz, Germany
	IT service provider with approx. 80 employees. My task as employee was the project coordination for and the implementation of approx. 80 geodata migrations for supply networks (waster water, electricity, gas) for a Swiss GIS provider, which performs the GIS tasks for about 50 Swiss municipalities. The migrations took place from Oracle database 9 to Oracle database 11g R2. In addition, I carried out various customization programming for Autodesk Topobase using VB.NET for the customer.
	(Technologies used: Oracle DB, Autodesk Topobase, VB.NET)

List of skills

Focus topics	ETL / DWH development, data warehouse and database migration, IT project management support, data warehouse and database performance optimization
Databases	BigQuery, Oracle-Database, PostgreSQL, Snowflake, MySQL, MariaDB, MongoDB
Cloud	Amazon Web Services (AWS), Google Cloud Platform (GCP)
Tools	Bash, Data Vault, Docker, git, Linux, Pandas, Python, Talend Studio, Terraform

IT certifications

2016	Oracle Database 12c Administrator Certified Associate

Education

2003 – 2008	**Diploma in Business Education**, *Technische Universität Dresden*, Dresden, *Grade: 1,2 with distinction*
2005 – 2006	**Study abroad**, *Mid Sweden University*, Sundsvall, Sweden

Prizes and awards

12/2009	**Viktor Klemperer certificate for outstanding performance as one of the best graduates in the business education program**, *Technische Universität Dresden*

Languages

German	mother tongue
English	C1 - advanced
Danish	B1 - intermediate

Availability

- from March 2025
- Daily remote work with on-site availability in the area of Copenhagen, Denmark

References

- Paweł Gdula, Senior Staff System Architect, *Optimizely*, https://www.linkedin.com/in/pawelgdula/
- Marcel Brzank, Head of Product Management DC Charging, *Siemens AG*, E-Mail: marcel.brzank@siemens.com, https://www.linkedin.com/in/marcelbrzank/
- Stefan Schaff, Technical Executive AI/ML/DE, *Motius GmbH*, https://www.linkedin.com/in/stefanschaff/

Interested in collaboration?
Then call me at +45 78 78 26 14 or send me an email to interested@henry-hueske.com.