

SVEN BOHNSTEDT

Freelance Senior Data Engineer & Solutions Architect

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EXECUTIVE SUMMARY

Freelance data engineering leader with 10+ years of experience designing and delivering end-to-end data platforms across hybrid cloud and on-premises environments. Since September 2025 operating independently as daita-crafter, bringing a proven track record in building DWH architectures, ML-driven solutions, and scalable ETL pipelines using Azure, SSIS, Python, and modern open-source stacks. Combines deep technical expertise with business acumen gained from senior sales leadership and BI consulting roles. Certified Azure Data Engineer with hands-on project experience in medical, automotive OEM, e-commerce, and sustainability domains.

CORE COMPETENCIES

- DWH Architecture (Azure Synapse, On-Prem, Hybrid)
- ETL/ELT Pipelines (SSIS, dbt, Airflow, Dagster)
- SQL & Python (T-SQL, MSSQL, PySpark)
- ML Platforms & Predictive Analytics
- Azure Cloud & DevOps, Docker, Git
- Process Automation & AI Integration
- Stakeholder Management & Team Leadership
- Business Central, Reporting & Visualization

CURRENT FREELANCE PROJECTS (SINCE 09/2025)

Business Central On-Prem & Hybrid DWH Development

Medical Industry | Freelance via daita-crafter

- Architecting and implementing a hybrid Data Warehouse combining Azure cloud services with Business Central on-premises infrastructure
- Designing end-to-end ETL pipelines using SSIS as data pump between on-prem SQL servers and cloud-based analytics layers
- Building the full data flow from source extraction through transformation to business reporting, enabling data-driven decision-making in the medical sector
- Integrating on-prem server infrastructure with Azure components for a scalable, future-proof DWH solution

ML Platform for Workshop & Warranty Operations

Automotive OEM | Freelance via daita-crafter

- Developing a machine learning platform to optimize workshop scheduling and warranty claim processing for an automotive OEM
- Building predictive models for warranty cost estimation and root cause analysis of recurring defects
- Designing scalable data pipelines to feed ML models with structured workshop and claims data

Scalable Process Optimization through Automation & AI

Automotive OEM | Freelance via daita-crafter

- Engineering automated workflows to replace manual, repetitive processes across operations
- Evaluating and deploying AI-driven solutions where they deliver measurable efficiency gains
- Designing modular, scalable automation architectures adaptable to evolving business requirements

PROFESSIONAL EXPERIENCE

Freelance Senior Data Engineer & Solutions Architect | daita-crafter, Hamburg

09/2025 - Present

- Operating as independent consultant delivering end-to-end data engineering and ML solutions for enterprise clients
- Architecting hybrid DWH environments combining Business Central on-prem with Azure cloud components for the medical sector
- Building ML platforms for predictive warranty analytics and workshop optimization in the automotive OEM domain
- Designing scalable process automation solutions leveraging AI where it delivers measurable business value

Senior Data Engineer | celver AG, Hamburg

04/2023 - 08/2025

- Designed and implemented DWH solutions in Azure Synapse, hybrid, and on-premises environments for enterprise clients
- Built complex T-SQL and Python-based data workflows for e-commerce, medical, and automotive domains
- Developed predictive sales forecasts and recommender engines using Python and ML libraries
- Delivered end-to-end solutions combining data engineering, cloud platforms, and frontend reporting

Head of Sales | Sileo GmbH, Salzgitter

01/2017 - 02/2023

- Led all sales activities in DACH region, securing order volumes exceeding EUR 25M
- Managed complex public and private sector tender processes for contracts up to EUR 20M
- Developed POC for predictive battery cell failure analysis using Python and Dash
- Represented Sileo as OEM in industry standardization (VDV 238) and as conference speaker on e-mobility

Head of Presales | minubo GmbH, Hamburg

06/2015 - 02/2016

- Defined and standardized interfaces between ERP systems and cloud BI platform
- Acquired strategic enterprise clients and developed customer-specific BI reports and forecast models

BI Consultant | nextel Business Intelligence Solutions GmbH, Hamburg

11/2011 - 11/2014

- Consulted on BI and DWH projects in e-commerce, implementing Microsoft BI stacks
- Developed KPIs, fulfillment performance monitoring, and consolidation software for ship investments

CERTIFICATIONS & EDUCATION

- Microsoft Azure Data Engineer Associate (DP-203)
- Diploma in Business Informatics (Wirtschaftsinformatik), FH Wedel
- Certified Training on Electric Buses, UITP Barcelona
- Python, Data Analysis & R Programming (edX, Coursera)

DATABRICKS & DBT EXPERIENCE

dbt On-Premises – DWH & Planning Platform for a Large-Scale Metals Producer

Primary Metals Industry | celver AG | 2023 – 2025

- Used dbt on-premises as the primary transformation layer to shift, clean, and harmonise approximately 60 SAP source tables into a structured DWH serving as the foundation for multi-dimensional planning in MDAX across four distinct business divisions
- Implemented modular dbt models covering data staging, intermediate transformation, and mart layers, enabling reproducible and testable data pipelines on-premises without cloud dependency

- Delivered consistent analytical output feeding planning and reporting across four independent branches, enabling integrated financial and operational consolidation in MDAX

dbt On-Premises – Data Integration for a German QSR Chain

Food & Beverage / QSR Industry | celver AG | 2023 – 2024

- Deployed dbt on-premises to consolidate and transform transactional data from a nationwide German burger chain into a structured DWH, enabling consistent cross-location reporting and operational analytics
- Designed transformation logic to standardise data across branches with varying POS and ERP configurations, ensuring data quality and analytical consistency throughout the DWH

Databricks – Predictive Maintenance Platform for a Commercial Vehicle OEM

Automotive OEM (Trucks & Coaches) | Freelance via daita-crafter | December 2025 – Ongoing

- Setting up a Databricks-based predictive maintenance platform in Azure for a major manufacturer of trucks and coaches, ingesting sensor and telemetry data from the vehicle fleet to enable condition monitoring and failure prediction
- Designing end-to-end ML pipelines from raw telemetry ingestion through feature engineering to predictive model deployment within Databricks, targeting reduction of unplanned downtime across the vehicle fleet

Databricks – Battery State-of-Health Analysis & Prediction

Energy Storage / E-Mobility | Sileo GmbH | 2020 – 2022

- Applied Databricks to analyse battery state-of-health data and develop predictive models for battery degradation in electric bus fleets, delivering insights for fleet operations and warranty assessment; role was as individual contributor, not project lead
- Additionally contributed to multiple Databricks engagements during the celver AG period (2023–2025) across various client projects in a supporting analytical capacity

AZURE DATA FACTORY EXPERIENCE

ADF as Data Pump – On-Premises to Cloud Integration for a Medical Device Manufacturer

Medical Device Industry | Freelance via daita-crafter | Ongoing

- Implementing Azure Data Factory as the primary data pump to replicate and synchronise data between on-premises SQL Server instances and cloud-hosted SQL Server in Azure, supporting the hybrid DWH architecture for a manufacturer of medical devices including defibrillators
- Designing and operating ADF pipelines for incremental and full loads, handling schema mapping, type conversion, and error logging to ensure reliable, auditable data transfer across the hybrid boundary

ADF Orchestration – Multi-Brand E-Commerce Medallion Architecture

E-Commerce | celver AG | Multiple Brands

- Built and operated Azure Data Factory pipelines to orchestrate ERP data loads from multiple brands and source systems, covering both full and delta load patterns to feed a medallion lakehouse architecture
- ADF handled ingestion, cleaning, and promotion of data through the Bronze and Silver layers; Gold layer transformations and aggregations were implemented as PySpark notebooks running on top of the lakehouse, enabling brand-level and cross-brand analytics
- Managed pipeline scheduling, dependency control, retry logic, and monitoring within ADF to ensure reliable delivery across heterogeneous ERP source systems serving multiple distinct retail brands

TECHNOLOGY STACK

Languages	Python, PySpark, SQL (T-SQL, MSSQL, MySQL), R
Cloud & DevOps	Azure Synapse, Azure Data Factory, Azure DevOps, Docker, Git, Linux
Data Engineering	ADF, SSIS, dbt, ADF, Airflow, Dagster, Databricks, Business Central, ETL/ELT
Data Science	Machine Learning, Predictive Analytics, Recommender Systems
Reporting	Frontend Reporting, Data Visualization, Dashboards

LANGUAGES

- German (native), English (fluent), French (basic)