

# Ahmed Abdeljaoued

Senior Data Engineer & Technical Lead

Berlin, Germany | abdeljaoued.ahmed@gmail.com | LinkedIn | Portfolio

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## PROFESSIONAL SUMMARY

Senior Data Engineer and Technical Lead specializing in designing and architecting scalable data pipelines and Azure lakehouse platforms with Databricks, PySpark, and Delta Lake. Delivers production ETL/ELT solutions, cloud data architecture, and Power BI analytics for enterprise clients. Combines data engineering with full-stack web development (Node.js, NestJS, Next.js, TypeScript, REST APIs) to ship end-to-end data products. Leads development teams, consults stakeholders on solution design, estimates work packages, and drives technical decision-making.

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## TECHNICAL SKILLS

**Data Engineering:** Azure Databricks, PySpark, Python, SQL, Delta Lake, ETL/ELT, Data Warehousing, Data Modeling

**Microsoft Azure:** Azure Data Factory, Azure Storage, Azure SQL, Unity Catalog, Databricks Jobs

**Business Intelligence:** Power BI, RLS/RBAC, Dashboards & Analytics

**Software Development:** Node.js, NestJS, Next.js, TypeScript, REST APIs, Webhooks

**Leadership:** Technical Leadership, Client Consulting, Solution Design, Agile, Stakeholder Management

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## PROFESSIONAL EXPERIENCE

### Alexander Thamm GmbH

*Senior Data Engineer / Technical Lead*

Berlin, Germany

Feb 2022 – Present

Design and deliver enterprise Azure data platforms and analytics solutions for German wholesale and automotive clients.

- **Automotive (R&D) — Technical Lead & Senior Data Engineer (Apr 2024 – Present):** Lead delivery of a business-critical Next.js/NestJS application; integrate enterprise systems via REST APIs and webhooks; build large-scale Databricks/PySpark synchronization pipelines on Azure.
- **Automotive (Planning) — Technical Lead & Senior Data Engineer (May 2025 – Present):** Direct BI platform and enterprise reporting; refactor Python processing into reusable wheel packages; operate Databricks Jobs, Unity Catalog governance, and Power BI with RBAC/RLS.
- **Wholesale — Data Engineer:** Maintain and enhance Azure Data Warehouse and BI platform; develop Databricks/PySpark ETL/ELT (full and delta Excel loads) into Delta Lake; orchestrate with Azure Data Factory; deliver Power BI reporting with business stakeholders.

### Scopeland Technology

*Application Developer & Consultant*

Berlin, Germany

Jan 2021 – Jan 2022

- Consulted clients on designing and delivering business applications on a low-code platform.
- Built and customized client applications using the platform's modular frontend building blocks and workflow features.
- Developed custom VB.NET and C# scripts to extend frontend behavior and automate workflows beyond standard low-code features.

### tausendkind GmbH

*Data Engineer*

Berlin, Germany

Jun 2020 – Dec 2020

- Developed and optimized ETL processes for an on-premises PostgreSQL data warehouse; built data marts and KPIs for Qlik dashboards.
- Automated operations with Linux shell scripts; improved database backup and restore procedures.
- Collaborated with Business Analysts, Web Developers, Marketing, and Finance on reporting solutions.

**SD&C GmbH**  
*IT Consultant*

Berlin, Germany  
Mar 2019 – May 2020

- **Parking Management — Web Development:** Designed and developed TypeScript web applications and custom SharePoint solutions tailored to client requirements.
- **Parking Management — Business Intelligence & Analytics:** Developed SSIS packages for data transformation and loading into SQL Server; built Power BI dashboards and analytics covering occupancy, visit frequency, and forecasts for individual parking garages.

**SD&C GmbH**  
*Working Student — BI Developer and Consultant*

Berlin, Germany  
Jan 2018 – Feb 2019

- Proposed data warehouse solutions; prepared SQL Server ETL and data models; developed Power BI and R visualizations.

**DATANOMIQ**  
*Freelance Data Engineer*

Berlin, Germany  
Mar 2017 – May 2017

- Built a movie rating prognosis model on a 20-million-rating dataset using Apache Spark ML; configured the assignment environment.

## CERTIFICATIONS

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- **Databricks Certified Data Engineer Associate** — Jan 2025 Verify
- **Microsoft Certified: Azure Fundamentals** — Jan 2024 Verify

## EDUCATION

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**Hochschule für Technik und Wirtschaft Berlin (HTW)** Berlin, Germany  
*M.Sc. Media Computer Science (International)* Oct 2016 – Feb 2019

Master's thesis: *Development of a Prediction Model for Retail Returns as an Entry Point to a Dynamic Pricing System*. Coursework in machine learning with Python, business analytics, and data visualization.

**Hochschule für Technik und Wirtschaft Berlin (HTW)** Berlin, Germany  
*M.Sc. Applied Computer Science* Oct 2014 – Sep 2016

Agile system development; mobile application for public health.

**Institut Supérieur de l'Informatique** Tunis, Tunisia  
*B.A. Computer Network Administration* Sep 2010 – Jul 2013

Bachelor thesis: security information systems with open-source tools (National Agency for Computer Security).

## LANGUAGES

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Arabic (Native) · French (Fluent) · German (Fluent) · English (Business / negotiation-level)