

# ADAM HÄGGLUND

## Software & Data Engineer



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Certified Data Engineer with 4+ years of experience building and scaling cloud-based, data-intensive applications. I enjoy architecting and designing reliable data solutions, continuously learning, and mentoring cross-functional teams on best practices in data and software. I bring a strong sense of ownership, a problem-solving mindset, and a curious, collaborative approach. My focus is always on delivering high-quality, impactful solutions in analytics and software initiatives.

## PROFESSIONAL EXPERIENCE

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### Data and Platform Engineer - 3Shape A/S | Feb 2024 - Present

- Design and scale Azure Databricks as the organization's central platform for commercial data initiatives, including solution architecture for platform onboarding, data lifecycle management, security & compliant access control.
- Build ELT pipelines and orchestration for 10+ diverse commercially oriented data sources, delivering compliant, timely datasets for analytics with automated monitoring and testing.
- Apply data product principles to create reusable, metadata-driven datasets that accelerate analytics delivery by 30%, reduce onboarding effort, and increase accessibility across the organization.
- Introduce software engineering best practices, including CI/CD with GitHub Actions, IaC with Terraform, unit testing, coding standards, and reusable templates, enhancing throughput, maintainability, and onboarding within the engineering team.
- Expand platform adoption from 7 to 60+ active users across 5 global data teams; support engineering team growth through technical interviews and hiring.
- Mentor analysts, data scientists, and engineers in ML-Ops and performance optimization, cutting deployment time by 25% and reducing operational costs.

Keywords: Azure Cloud, Databricks, Microsoft Fabric, MS Dataverse, GitHub Actions, Soda, Apache Spark, Apache Iceberg, DeltaLake, MLflow, SQL, Terraform, Python, Scala

### Data Engineer - IKEA IT AB - Group Digital | April 2022 - Feb 2024

- Building ETL pipelines to harmonize and clean large sets of financial data for use in ML models to support financial impact simulations on multiple topics in 29 markets worldwide.
- Enhancing computational performance of existing SQL queries, reducing BigQuery analytics costs by more than 30% for our datasets.
- Improving the CI/CD system using GitHub Actions and Terraform to facilitate an efficient product lifecycle, lowering build and run times by 40% while maintaining best DevOps practices and reducing the risk of major pipeline failures.
- Supporting software engineering efforts in new feature development and communicating these to stakeholders.

Keywords: GCP, BigQuery, Apache Airflow, Dataform, Docker, Docker Compose, Terraform, Github Actions, Streamlit, Python, SQL, sklearn

### Software Engineer Intern - Robert Bosch AB | June 2021 - Aug 2021

- Realizing an MVP for monitoring and forecasting development performance within Bosch R&D Lund, made available to more than 300 co-workers.
- Extracting real-time data from Gerrit API, transforming and formulating KPIs to be made available in a Grafana Dashboard.

Keywords: Python, C#, Gerrit, Grafana, Docker, Jenkins, Restful API

## EDUCATION

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### Lund University, Faculty of Engineering (LTH)

M.Sc., Computer Science & Engineering | 2016-2022

- Master Thesis: Data Ecosystem as a Solution for Intra-organizational Data Sharing
- Specialisation: Software Engineering
- Exchange semester: Beihang University, CN

### Le Wagon

Data Engineering FT (For Business) | 2022

- As a part of IKEA's accelerator program I spent 3 week of full time studies in Le Wagons Data Engineering course - including lectures, hands-on experience and certification.