

# ADAM HÄGGLUND

## Software & Data Engineer

☎ +46 (0) 769454246

✉ adm.hagglund@gmail.com

🌐 [adamhagglund.github.io](https://adamhagglund.github.io)

Certified Data Engineer with 3 years of experience in big data analytics and software development. Passionate about engineering excellence and quality. My expertise lies in building data-intensive cloud applications, developing reliable ELT/ELT pipelines for both streaming and batch data, deploying high-quality datasets for analytics, and bringing ML & forecast models into production. Currently, I am contributing to 3Shape's digitalization efforts by building up DataBricks and supporting the creation and migration of data, processes, and personnel to the platform.

## EDUCATION

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

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

- 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.
- 3 week of full time studies in Le Wagons Data Engineering course - including lectures, hands-on experience and certification.

## TECHNICAL

**Tools and technologies:** Git | Docker | Terraform | dbt | DeltaLake | Apache Airflow | Apache Spark | GCP suite (BigQuery, Composer, PubSub, CloudBuild, CloudRun, CloudBuild, Dataform) | DataBricks | Microsoft Azure

**Languages:** Python | Java | Scala | SQL | C# | Bash | JavaScript

## STRENGTHS

**Communication:** Ability to write impactful reports and architectures, host meetings, and present technical topics to less technical stakeholders.

**Collaboration:** Driven to achieve team goals, collaborate and co-create solutions with teammates, foster dialogue and inclusivity, and promote a great working environment.

**Organization:** Works efficiently in any environment, adheres to scrum and agile methodologies, makes clear-headed decisions under pressure, works independently, and meets deadlines with a sense of ownership.

## PROFESSIONAL EXPERIENCE

### Data Engineer - Azure DataBricks

3Shape A/S - Commercial Data Strategy | Feb 2024 - Present

- Key contributor in building a Common Data Platform (DataBricks) within the company, specifically focused on enhancing the availability of commercial data for analytics in the organization.
- Collaborating closely with enterprise architects to ensure the delivery of a compliant platform with proper data governance and cost management activities.
- Ingesting data from various sources such as APIs, on-prem databases, and other cloud databases and resources.
- Leading the development of a curated layer of data products to provide usable and understandable commercial data products, reusable for reporting and more advanced analytics.
- Spearheading the technical architecture and implementation of a reliable and cost-efficient solution, growing the team from two to five engineers.
- Serving as a subject matter expert in modern coding best practices and commercial data handling.

### GCP 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%.
- 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.

### 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.