ADAM HÄGGLUND

Software & Data Engineer

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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, and deploying high-quality tools & datasets for analytics, and bring ML & forecast models in 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 Engieering 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 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, expanding 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.