Data Warehouse Developer

Aalto University
IT Services
Aalto University is a university where research, art and education are promoted hand in hand. We are committed to identifying and solving grand societal challenges and building an innovative future.

With high-quality research we aim at creating significant impact on the international scientific community, industry and business, as well as the society at large. Disciplinary excellence is combined with multidisciplinary activities, engaging both students and the local innovation ecosystem.

Aalto has six schools with 12 000 students and more than 400 professors. We are an international community: 40% of our academic faculty have an international background.

Aalto University was founded in 2010 as three leading Finnish universities, Helsinki University of Technology, the Helsinki School of Economics and the University of Art and Design Helsinki, were merged.

We have a vibrant campus in Espoo, in the Greater Helsinki region. The campus is developing into a unique, open innovation hub and a centre of collaboration that attracts partners from all around the world. It encourages sharing of ideas, inter-disciplinary encounters, creativity, growth and entrepreneurship.

Watch videos! Here you can find what Aalto is all about.

“Liberal, multicultural and never dull”, says an Aalto IT expert. Read more about what it is like to work in Aalto IT services and watch a video here: https://duunitori.fi/tyoelama/alto-universitys-it-experts-in-spotlight

More info at aalto.fi
Collaboration reimagined

At Aalto University, a unique combination of science, art, tech, and business brings talent together to shape a sustainable future. Collaboration that breaks boundaries is where big, unlikely ideas come to life. We have nearly 12,000 students and 4,000 employees, but the whole innovation ecosystem at the Otaniemi campus is much bigger.

Joint direction

Sparking people to find their own paths and make an impact is ingrained in our culture. Some of us call it research, knowledge or critical thinking. Some might call it innovation, radical creativity or entrepreneurial mindset. We help each other thrive, focusing on the community and people, teaching and learning from one another, infrastructures and campus, and services. Everyone has their passion, but it’s all our diverse viewpoints that can together make an impact.

Why is a career at Aalto University an excellent choice?

Culture that inspires and includes everyone

It’s the people that create Aalto, now and in the future. We want to be an open community where equality and inclusion enable curiosity, innovation, collaboration and wellbeing. We constantly keep learning to find the most impactful ways to empower — and invest in — our people.

We actively support the career and competence development of our staff by creating opportunities for career advancement, flexible job rotation or moving on to a parallel career. We also offer a wide variety of training and development solutions for personal and professional growth at each stage of your career. Read more.

Diversity is part of who we are. We actively work for caring and inclusive working culture where everyone can feel safe and welcome. Our environment is multicultural, widely English-speaking and its easy to settle in, wherever you come from. 40% of our academic faculty comes from outside of Finland.

Because of our goals, we have high ambition level in everything we do. At the same time, we believe that great results can only come from healthy and happy employees. We have reasonable working hours and longer than usual holidays. Also, we offer comprehensive private occupational healthcare services to all our employees.
Aalto University has a strong focus on digitalization, development and creating new. Working with us you will get to see and experience the latest developments in IT industry and take part in big changes.

Aalto IT Services has a key role in supporting digitalization by producing top-level services for researchers, teachers, students and staff members to make their work easier, more flexible, comprehensive and secure regardless of time and location.

**We are trailblazer in digitalization.**
For example, we have:

- Strong research competence: e.g., big data, machine learning, algorithms, software, cybersecurity, user interface
- Multi-disciplinary applications in focus: e.g., industrial internet, new process technologies, service economy, gaming industry
- Tight collaboration with industry
- Active startup community

**Join us in Digital Aalto journey!**

At Aalto, we’ve already come far in our digitalisation journey. We have a strong research environment and attractive educational offerings supported by digitalisation, as well as a track record of running teaching and research activities online. We use and develop modern digital platforms for a wide range of services. Our next goal is to become a forerunner as a data-driven university.

**Digitalisation is a key driver and enabler for Aalto’s strategic goals:**

- Enabling clusters of excellence and developing infrastructures for research & design
- Enhancing education and elevating student experience and quality of learning
- Building innovation, creative and entrepreneurial ecosystem
- Investing in community & people, physical and digital infrastructures and services

**At Aalto, we support experimentation culture: we fail fast and learn fast - together.**
Aalto University’s IT Platforms & Development Function

We offer platforms and capabilities for better use of information and develop ways of working in IT-system development

Our unit consists of 20+ highly skilled and talented experts, many of whom are recognized nationally. We work in three teams – **Data Access & Project Management, Integrations** and **Service Platforms**. We are the backbone of Aalto’s digitalization roadmap.

Our unit comprises e.g., the areas of On-premises and Cloud Platforms, Digital Workflows, Solution Consultation, AI / Machine Learning, Integrations, Data Warehousing & Analytics, Identity and Access Management, Collaboration, external project managers and project management & IT development methods.

**Our way of working**

Our way of working is independent and self-directive. We rely on our people’s expertise and give them responsibility.

We are the early innovators in IT with passion for exploration and experimentation with the latest technologies.

We actively drive IT development in our university and want to take our tools and agile processes to the next level ensuring customer value.

**Some experiences from a Data Warehouse Solution Owner, who joined our team in 2018:**

“Aalto is a truly multicultural environment where mutual respect and care are the core values. I have had many amazing employers before but Aalto is the first organization where I have felt in the true sense that I belong here.

Datawarehouse has an amazing team to back each other up during difficult times. Despite facing exciting challenges from time to time, Aalto tries to give its employees an excellent work-life balance. If there are hard days where we have to give our best, we also get relaxing days so all in all, I am very happy here.

Aalto has many amazing benefits for employees. Long vacations where Saturdays are not counted are some of the fun benefits. I am able to dedicate time to personal growth and training. Also happy to know that Aalto will be paying for some of the training for my personal growth.”

Salesforce Platform

Data Warehouse

IAM

Data Management

Solution Consultation

Azure Cloud Platforms

AI / Machine Learning
Data Warehouse Developer

Want to be a game changer? Then join us in developing Aalto University’s IT!

Your role and goals

As a Data Warehouse developer in our team you participate in the development and implementation of our on-premise Data Warehouse. Also, you participate in our journey to DW cloud.

In this role you:
• Design, build, and support Data Warehouses.
• Develop and maintain data models and solution architecture.
• Work directly with the Data Warehouse Solution Owner to translate Aalto’s strategic vision into actionable Data Warehouse team initiatives.
• Build and maintain database tables, views, and stored procedures.
• Extract and clean data from multiple sources to load into the Data Warehouse.
• Translate the needs of analytics and business stakeholders into the design of a Data Warehouse that meets their current and future needs.
• Coordinate with IT operations infrastructure team to align appropriate resources for the Data Warehouse.
• Add new data to the warehouse as business needs evolve and underlying source systems are enhanced.

What we offer

We offer you an interesting, responsible, challenging and contributing role in the heart of Aalto’s digitalization. Your work will have direct impact to the research, teaching and societal impact at Aalto University.

An exceptionally rich and versatile IT environment with leading edge technologies and latest developments in the field of IT research. Our significant in-house IT resources and capabilities enable experimenting and committed long-term IT development.

Aalto University puts great focus on employee wellbeing, offering flexible working time and location opportunities to suit your working style. We will work with you to form the best possible work experience during your employment in Aalto University!

Great possibilities for competence development and career advancement: we are looking for potential to grow into future positions.

Top talented self-directive IT experts co-creating a culture of trust and learning.
What we are looking for

Your experience and ambitions

You have experience in Data Warehouse environment:

- Experience developing data warehouses, data migrations, data transformations, and data architecture.
- Strong SQL background.
- Experience writing SQL queries and stored procedures preferred.
- Experience in gathering and analyzing system requirements.
- Strong analytical, consultative, and communication skills; as well as the ability to make good judgment and work with both technical and business personnel.
- Proven critical-thinking skills and problem-solving attitude.

You follow the field actively and have a good understanding of the latest trends.

You understand modern IT solutions, cloud services and their utilization (e.g. Azure).

You work well independently and together with team members.

You have ability to take responsibility even on busy schedules.

You have good cooperation and good communication skills.

More than anything, we hope you are passionate about your field of work and enthusiastic about constantly innovating and learning something new together with others.

With your customer service orientation and capability to influence in matrix organization, you are able to participate in agile way of working in collaboration across the University.

Aalto University is an international working environment, so we expect you to have good English language. Finnish language skills are an advantage.

Would you like to join our Data Access and Project Management - team?
Aalto University – a community of game changers
aalto.fi