



*Shaping the future*



# Data Warehouse Specialist

## Aalto University IT Services





# Aalto University

## Multidisciplinary community of bold thinkers where science and art meet technology and business

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 11 000 students and 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.



Aalto University

More info at  
[aalto.fi](https://aalto.fi)



# Working at Aalto

## Why is a career at Aalto University an excellent choice?

As Aalto University was established in 2010 through a merger of three leading Finnish universities, we are **both new and fresh, and old with strong history and traditions**. We take on challenges with agility, creativity and passion, and we believe in the power of curiosity.

We aim for **societal impact**, sparking the game changers of tomorrow to drive sustainability. Our desire to change the society for the better with groundbreaking new ideas and innovations makes Aalto a genuinely exciting work environment.

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.

Highly competent and motivated people who are committed to the university's objectives form the foundation of our success. 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:

<https://www.aalto.fi/en/services/career-and-competence-development>

**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.

**“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/aalto-universitys-it-experts-in-spotlight>



# IT Services

## Top-level science and art require support from top-level experts

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!**

In your role you will be part of Digital Aalto, our university level strategic initiative with a very ambitious goal: within the next few years we will be the leading European university in digitalization research and practice.

### **Some highlights from our digitalization strategy 2022:**

- ❑ Excellence in student success and learning experience to educate game changers
- ❑ Opening up research data and harnessing digital platforms for collaboration and multi-disciplinarity
- ❑ A state-of-the-art campus experience driving ecosystem collaboration and entrepreneurship
- ❑ Seamless digital brand experience and end-user driven lean services
- ❑ Becoming a forerunner as a data-driven university



**At Aalto, we support experimentation culture: we fail fast and learn fast - together.**

# Aalto University's IT Development Function

Data Warehouse

Database

Data management

Data Lake

*Azure Cloud Platforms*

Analytic Platform

AI / Machine Learning

## 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 two teams – **Superheroes** and **Ninjas**. We are the backbone of Aalto's digitalization roadmap.

Our unit comprises e.g., the areas of Integrations, Data Warehousing & Analytics, Identity and Access Management, Digi Process Factory, Solution Consultation, Machine Learning, 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.

"I have the resources and the mandate to develop my own solution area", an IT Superhero comments. "We are the early innovators in IT with passion for exploration and experimentation with the latest technologies", an IT Ninja comments.

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



Aalto University



# Data Warehouse Specialist

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

### Your role and goals

As a data warehouse specialist, you are responsible for designing and implementing a flexible platform for operational data stores, data warehouses, data marts and data lakes for strategic data management.

Designing, building, and configuring data warehouse and analytical applications and data access tools to meet business requirements is also part of your work. Part of your tasks is also to identify new external data sources, which would benefit Aalto University.

You will implement the data strategy according to the organization's business requirements in the application and consumption of information from the Enterprise Data Warehouse (EDW) or from other suitable source systems.

In this role, you cooperate with other teams and stakeholders in Aalto IT Services and Aalto University as well as with outside partners, vendors and ecosystems, ensuring that development of data warehouse and activities are integrated with other parts of the IT core activities.

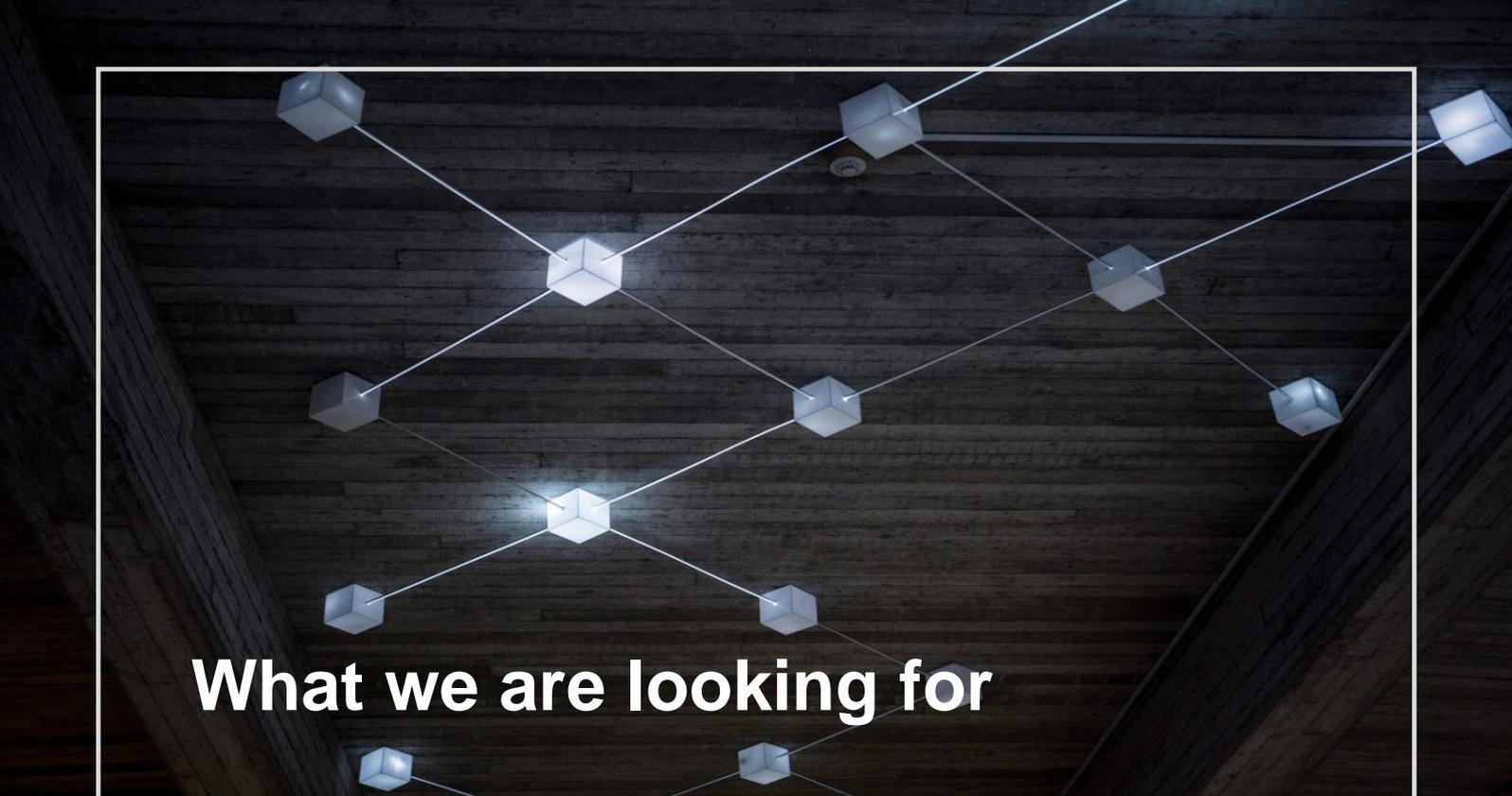
### What we offer

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.

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 existing experience related to databases, reporting and analysis. We expect that you follow the field actively and have a good understanding of the latest trends.

You have experience from Data warehousing methods and technologies.  
You are enthusiastic in seeking new and creative ways to utilize the data (warehouse) in the University's development, decision making and digitalization.

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.

## **Your personal qualities**

You have excellent analytical skills and conceptual thinking and working in systematic, persistent and responsible manner. You are used to working independently and taking responsibility of your tasks. You have good social and cooperation skills and you are able to communicate and collaborate with both technical and business-minded co-workers and partners.

With your customer service orientation and capability to influence in matrix organization, you are able to participate agile and culture 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 Superheroes team?**

Please apply via the link below by 6.1.2020:

<https://www.aalto.fi/en/open-positions/data-warehouse-specialist-o>

**Aalto University –  
a community of  
game changers**  
*aalto.fi*



**Aalto University**