



# Shaping a Sustainable Future.

Integration Architect

Aalto University  
IT Services

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Aalto University



# 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 13 000 students and more than 400 professors. We are an international community: over 45% of our academic faculty have an international background.

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“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>

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.

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



# Working at Aalto

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

### Collaboration reimaged

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 13 000 students and over 4 500 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.

### 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.

**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 it's easy to settle in, wherever you come from

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.

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# 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!

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

# Aalto University's IT Platforms & Development Function



## We are the hub for software development within and for the Aalto organization.

Our unit is comprised of 30 highly skilled and talented developers and experts, organized into three teams: Service Platform, Integrations and Data & Analytics Platforms. We are the backbone of Aalto's digitalization roadmap.

Our unit focuses on areas such as Digitalization & Solution Consultation (with Salesforce), Integrations, Data Warehousing & Analytics, and AI/Machine Learning.

### Our way of working

Our way of working is built around Scrum, which is supported by the teams' high level of trust and the flexibility we give to our experts.

As early innovators in IT, we have a passion for exploring and experimenting with the latest technologies. We are committed to driving IT development within our university, aiming to elevate our tools and agile processes to ensure maximum customer value.

### Some experiences from an Integration Specialist who joined our team in 2021:

“When I joined the Aalto ITS Integration team, I noticed the professional and cooperative atmosphere, and the opportunities for own development are quite strong.

I have been working hybrid since I started, and this has been working flawlessly. Additionally, the integration development can be done with user friendly and reliable tools.

All in all, a good place to work and a great team feeling!”



# Integrations Architect

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

### Your role and goals

As an Integrations Architect, you are guiding the integration creation process from start to finish. Your role centers around understanding business requirements and designing integration solutions that completes the customer's needs. This includes gathering specifications from all involved systems, timetable planning, creating mapping documents and coordinating between technical and business roles. You work closely with integration developers and the delivery team, coordinate testing and managing possible scope changes. Your role is an essential part of development of services in a more and more digitalized environment.

In this role:

- You are responsible for designing and upholding a comprehensive overall strategy for integrating various applications and data sources for Aalto's IT landscape.
- Makes sure security measures and governance policies to protect sensitive data are implemented within the IT integration landscape.
- You work very closely with Salesforce development team to create integration solutions supporting Aalto's salesforce environments.
- You specify integrations between internal and external parties using API, Web Service, file and database technologies amongst others.
- You design new and implement changes to existing integrations using standardized patterns and a dedicated development platform (FRENDS).

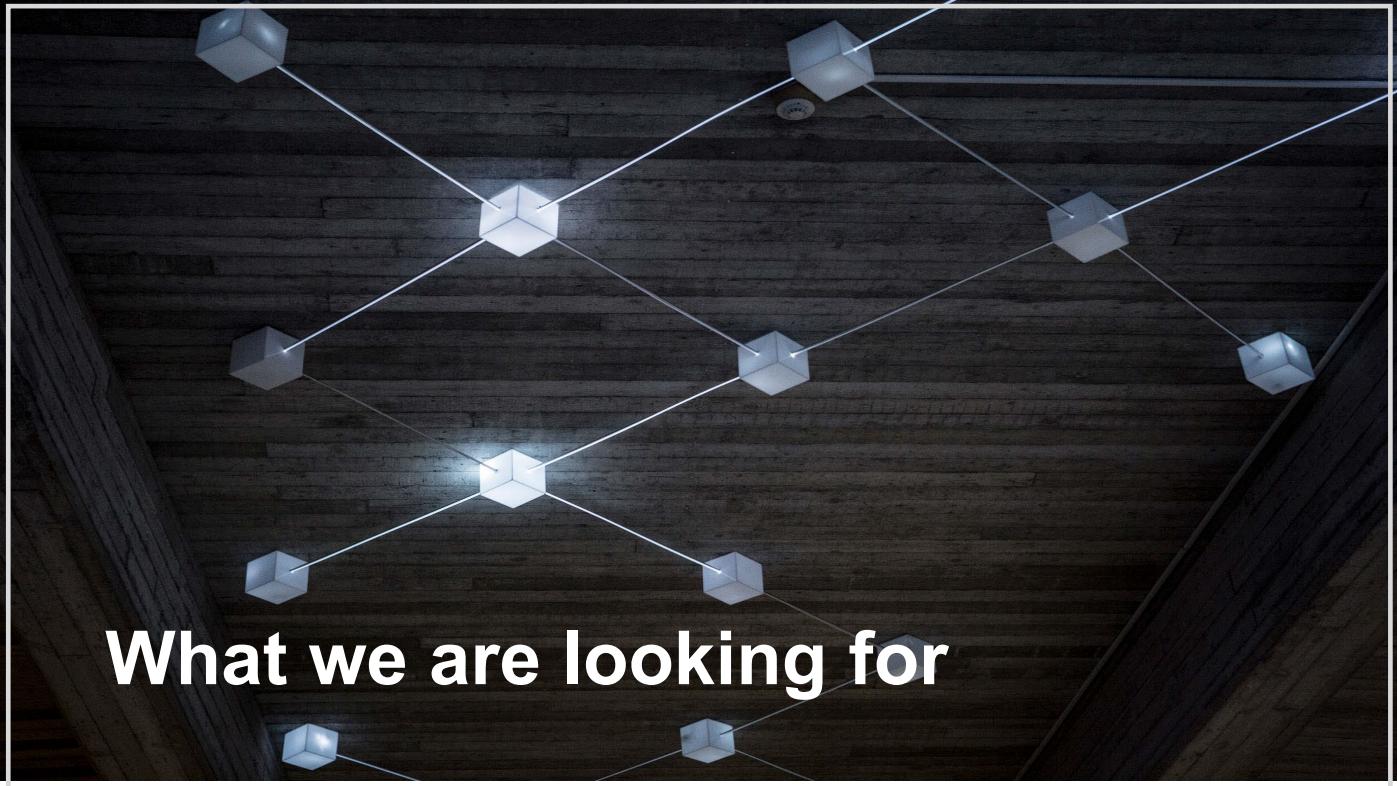
In this role your work will have a true impact on Aalto students, researchers, and teachers by enabling the smooth and reliable data flow to Aalto University core systems. You will be able to shape your work based on your interest areas. At Aalto, we appreciate our employees' ideas, capabilities, and willingness to learn and develop.

### What we offer

Aalto University is technically unique and interesting: we have a rich and versatile IT environment with significant cloud investment, leading edge technologies and latest developments in the field of IT research. We have an ambitious digitalization strategy and a diverse and vast community of innovative users.

We offer you an interesting, independent, and contributing role in heart of Aalto's digitalization. Although you are independently responsible of your own area of work, we offer you support and coaching when you feel you need it. We offer you great possibilities for competence development and career advancement as we are looking for potential to grow into even more demanding IT roles.

With us you will be part of an inspiring and supportive work community of ambitious game-changers who are committed to identifying and solving grand societal challenges and building an innovative future. We support a culture of learning and experimentation. We fail fast and learn faster – together.



# What we are looking for

## What we offer...

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!

We prioritize work-life balance, wellbeing is the first goal in our yearly and operative targets, and we offer comprehensive wellness programs to support your physical and mental health. With us you can enjoy a positive work environment that fosters personal growth and professional development.

## Your experience and ambitions

In order to succeed and enjoy working in this position, we hope that you have:

- Experience in understanding integration requirements and translating them into functional design specifications and user stories.
- Ability to share work with others and help them implement solutions based on your designs.
- Skills for working hands-on with Salesforce and/or integration platforms. Experience with FRENDS integration platform is an advantage.
- Integration development experience is an advantage, especially using FRENDS integration platform or in the following technologies: REST API, JSON/XML, ETL-based data transfers, SQL and XSLT, SOAP WS, C#/.NET and FRENDS.
- You have perseverance, systematicity and the ability to take responsibility even on busy schedules.

- Your working style is active, 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.
- Our working languages are English and Finnish, so we hope that you can communicate well in both English and Finnish
- You have a Bachelor's Degree in an IT field or similar.
- You are willing to work in a hybrid mode and able to attend regular weekly meetings on site in the Otaniemi campus. On-site training is provided in the beginning.

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

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