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 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
Why is a career at Aalto University an excellent choice?

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 13,000 students and close to 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 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.
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

At Aalto, we support experimentation culture: we fail fast and learn fast - together.
Aalto University’s IT Operations

We set the course for Aalto operative IT technology and look actively for new technologies to transform Aalto IT operations to digital age.

Our IT Operations function consists of around 40+ skilled, talented and experienced professionals, passionate about delivering excellent IT technology, services and operations. We currently work in four teams: AV, Cloud & Apps, Digital Workplace and Infra.

We are operating multiple data centers and have hundreds of VM’s and petabyte-scale storage. The overall IT landscape consists of a large number of different applications, integrated to work together as a seamless ecosystem.

We are constantly looking for ways to enhance our services, and produce value-added services both for internal IT, and our stakeholders from teaching and research. We also have a major focus on cloud computing, through which we shall be modernizing relevant parts of our infrastructure.

We safeguard the silent running of Aalto IT, ensuring state of the art performance, availability, and security. We lead IT operations problem management, disaster recovery, and risk management.

We work closely together with other functions in IT services, other internal partners, external vendors and the Aalto ecosystem enabling world-class teaching and research through IT.

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 actively drive IT operations in our university and want to take them to the next level ensuring customer value.
Your role

As an Azure Architect you will directly lead and operate our extensive Azure computing infrastructure, which features over 70 subscriptions used for research, teaching, and joint service applications.

You will collaborate with our Azure, AWS and Google Cloud experts within the same team and in other teams. Your role will include identifying opportunities for further development, optimization and operational improvement of our environment. Your other stakeholders include internal IT services and customers, for example research groups leveraging cloud computing.

Aalto University is at the forefront of utilizing Cloud Computing in the education sector for targeted technological innovation, with a robust cloud computing strategy driving our accomplishments. Our recent and current projects include developing an OpenAI-enabled GPT service for Aaltonians, providing GPU-enabled jupyter notebooks for Stable Diffusion training in student projects, utilizing Azure cognitive services and creating large-scale datasets for various research applications.

Your role and responsibilities

• Lead and operate our Azure computing environment, ensuring a well-governed (Secure, Compliant, FinOps), automated (Infrastructure as a Code) and user-friendly environment for our customers.
• Actively develop our Azure computing environment and operating model, while maintaining a Keep Business Running mindset. Plan for short-term and long-term architecture while ensuring documentation at the appropriate level.
• Communicate with the stakeholders, primarily by guiding in the use of our Azure computing environment. Depending on your workload, you may also provide consulting support for targeted use cases (for example in the AI), sharing your valuable expertise to guarantee the continued success of our cutting-edge research and teaching projects.

One of your initial tasks will be planning our infrastructure DevOps pipeline utilizing an Infrastructure as a Code approach, with automatic policy implementations. Other priorities include platform Azure templates, implementing network automation, enhancing our security policies, developing tagging automation and subscription lifecycle automation.

Please note that Entra ID (formerly Azure AD) and other Microsoft services such as 365 and Power Platform are managed by different teams.
What we offer and what we are looking for

What we offer

As a key contributor at Aalto, you will play a significant role in enabling innovative, scalable, and on-demand solutions that leverage the latest cloud computing technology trends, while building our Azure cloud computing environment with a long-term view. You will be exposed to cutting-edge research, including in the growing field of generative AI and be responsible for steering the platform's evolution as the Azure lead, witnessing results along the way. Our environment is sizable, with continued development expected in the future.

You will get to shape the position based on your interests and views. As a member of our Cloud & Apps team, you will work closely with our skilled cloud computing professionals. Our team includes staff experienced with Azure, AWS, and Google Cloud Platform environments, fostering a collaborative atmosphere that encourages open communication and the sharing of best practices.

We offer great opportunities for skill enhancement and career progression - beyond your core duties, you will have the chance to broaden your knowledge through peer learning, specialized training, and certifications. We are committed to your wellbeing, providing flexible working hours and location arrangements to suit your working style. We will collaborate with you to create the best possible work experience during your employment at Aalto University!

Your work will have direct impact to the research, teaching and societal impact at Aalto University, while providing the enabling grounds for further development of important fields such as sustainability. Aalto University's unique technical landscape features a diverse IT environment, utilizing cutting-edge technology and groundbreaking research. Our extensive in-house IT resources and capabilities empower us to experiment and pursue long-term IT development.

Your experience and ambitions

In order to succeed and enjoy working in this position, we hope you have a strong background and a proven track record of successfully working on Azure environments, including:

- Ability to plan and consider the full lifecycle of the services (e.g., well-governed, automated, user-friendly), together with understanding best security practices in Azure (Infrastructure as a Code, IAM, networking, monitoring, logging, encryption)
- Technical hands-on experience on a sizable Azure computing environment.
- Careful and proactive approach.
- Proven critical-thinking skills and problem-solving attitude.
- Bonus: knowing relevant programming language(s), and/or having relevant certifications

As a candidate, we wish you can work well both independently and with team members. You can take responsibility even during busy periods, and you possess strong cooperation, influencing and communication skills. Fluent in Finnish is essential, and strong English skills are highly desirable as our team primarily communicates in English. You are based in Finland.

More than anything, we hope you are passionate about your field of work and enthusiastic about constantly innovating, following the industry development in cloud computing, and learning something new together with others.

Would you like to join our team?
Aalto University – a community of game changers
aalto.fi