

Advanced Devops and Software Engineer

RISE Research Institutes of Sweden has 3000 employees engaging in and support all types of innovation processes. We are an independent, state-owned research institute, which offers unique expertise and demonstration environments for future-proof technologies, products, and services.

We are building a cloud and edge GPU/CPU compute infrastructure platform to support data-driven innovation, machine learning research and 5G/6G low-latency edge compute development. Our mission is to facilitate the usage of data and advanced compute for the benefit of the research, public and private sector. The industry transformation in the north needs advanced automation and digitalization and we are supporting it. We are looking to expand the ICE data center team with a software engineer proficient in Linux, and open-source cloud technologies.

If you are enthusiastic and curious by nature and passionate about using the best and newest technologies and tools to build great software, this assignment might suit you.

About the assignment

The ICE data center team builds and maintains a cloud and edge compute platform with CPU/GPU and storage hardware. You will optimize the software stacks for infrastructure, container and platform as a service resources in ICE Connect. You will also be responsible to support with tools, SDKs and APIs, enabling developers, analysts, data scientists and researchers to do their best work.

Your key responsibilities will be to:

- Develop the RISE ICE data center offering by working with development of software and hardware infrastructure and information systems.
- Experimentally develop computing and software systems in projects together with colleagues and partners for example LTU.
- Together with the ICE data center team and partners develop new ideas and put them into practice.
- Work with international contacts to develop RISE ICE services and projects.
- Use tools and processes to deploy, run and maintain all software and equipment in the data center.
- Optimize the operation of the technical systems and be responsible for high technical availability of software services, machines, service and maintenance.

On an assignment in our team, you get the opportunity to work in a growing and leading research institute with excellent development opportunities. The assignment will contribute to our partnership with the industry, with which we develop solutions and strategies for use of cloud and edge to the benefit of Swedish industry.

The assignment is preferably full-time. The workplace is in Luleå on-site.

Who are you?

We believe that you are passionate about software engineering, cloud technologies and building things! You enjoy working in an environment that grants autonomy to explore creative solutions. As the assignment involves contacts with customers, international partners, and other stakeholders, you grow in the face of varying social contexts.

More specifically, we hope to see:

- Experience working with Linux, hypervisors (KVM, Openstack), and containers (Docker, Kubernetes)
- Strong programming skills and experience with Python, javascript, RUST

- Experience building load balancing and replication, databases (relations, and time series), routing protocols (OSPF, BGP), version control system (git)

The candidates have a minimum of a master's degree in computer science engineering or equivalent, with a focus on edge, AI, software and IT systems. We are positive if you have a PhD degree. We are looking for two candidates; one that can be newly graduated and one that has many years (10+) of work experience in product and software development. As our partners are both in and outside Sweden, we prefer candidates with strong oral and written communication skills in English