Cloud Engineer

Cloud software engineer/research software engineer for HPC research application development at Center for Humanities Computing

Center for Humanities Computing (CHC), at the School of Culture and Society is looking for a new employee (AC-TAP) to oversee, develop and implement applications for research at the DeiC Interactive HPC facility.

The position is 30h/w, with the possibility of transitioning to a full-time position in the future. The position is limited to 3 years but can be extended further depending on funding.The employment begins on July 1 2025, or as soon as possible thereafter.

DeiC Interactive HPC is an interactive digital research environment built to support the needs of researchers for both computing and data management, making complex digital technology accessible to all users working with both open and sensitive data.

The provided applications cover a broad area of types and systems, e.g., Jupyter Lab notebooks, RStudio, VS Coder, apps for genomics, engineering, agent-based modelling, AI tools, etc. Applications in DeiC Interactive HPC are containerized in Docker environments and orchestrated by a Kubernetes cluster.

Place of work: Jens Chr. Skous Vej 4, 8000 Aarhus C, Denmark.

Job description

The position includes the following areas of responsibility

- Develop, implement and deploy new container apps for research
- Evaluate, design and maintain container apps in collaboration with researchers
- Participate in back- and front-office support for DeiC Interactive HPC
- Develop frameworks for using DeiC Interactive HPC in teaching
- Integration of AI-driven solutions ino cloud environments to enhance research workflows.
- Organizing and presenting workshops on using DeiC Interactive HPC

Qualifications:

We seek experts with most of the following qualifications:

- An MA degree in Computer Science, Electrical Engineering or similar qualifications..
- Broad range of software skills in the relevant areas such as: container and virtualization technology (i.e., Docker and Kubernetes)cloud computingcomplex systems debuggingknowledge of distributed computing technologiesscientific software designscientific workflow tools
- Strong background in Linux systems
- Relevant programming skills (e.g., shell scripting and Python);
- Ability to work productively both independently and as part of an interdisciplinary team.
- An interest and willingness for learning new methods and technologies in a fast moving and highly skilled work environment
- Relevant and documented education or experience working with the above technologies and fields
- Experience with devops practices (e.g. git and github, continuous integration and deployment, software documentation)
- Good verbal and written communications skills in English

Who are we?

CHC is a research and development unit at the School of Culture and Society that collaborates with researchers from arts and humanities (Faculty of Arts) at Aarhus University. Our offices are located in Nobel Parken, 8000 Aarhus C and hold about 30

employees, of which approximately half are juniors.

CHC values a healthy work-life-balance and offers work conditions where flexible hours and some amount of remote work is possible. We value the effect of meeting up in the hallways or at the coffee machine and having serendipitous conversations with colleagues.

We are a mixed group of nationalities at CHC, and as a consequence we predominantly speak English at the office and at meetings to be inclusive of our international colleagues.

You can read much more about us at our website at chc.au.dk.

For more information:

Contact person: Kristoffer L. Nielbo, Center for Humanities Computing Aarhus, kln@cas.au.dk, Head of secretariat, Jesper Sølund Hansen, School of Culture and Society jesh@cas.au.dk

For further information about the application procedure, please HR supporter Gerd Cecilie Bech Thomsen (gebeth@au.dk)

Salary and terms of employment

In accordance with the current collective agreement between the Ministry of Taxation and the Danish Confederation of Professional Associations (Akademikerne)

Aarhus University's ambition is to be an attractive and inspiring workplace for all and to foster a culture in which each individual has opportunities to thrive, achieve and develop. We view equality and diversity as assets, and we welcome all applicants.

Faculty of Arts

The Faculty of Arts is one of five main academic areas at Aarhus University.

The faculty contributes to Aarhus University's research, talent development, knowledge exchange and degree programmes.

With its 700 academic staff members, 200 PhD students, 9,000 BA and MA students, and 1,500 students following continuing/further education programmes, the faculty constitutes a strong and diverse research and teaching environment.

The Faculty of Arts consists of the School of Communication and Culture, the School of Culture and Society and the Danish School of Education. Each of these units has strong academic environments and forms the basis for interdisciplinary research and education.

The faculty's academic environments and degree programmes engage in international collaboration and share the common goal of contributing to the development of knowledge, welfare and culture in interaction with society.

Read more at arts.au.dk/en

The application must be submitted via Aarhus University's recruitment system, which can be accessed under the job advertisement on Aarhus University's website.

Aarhus University

Aarhus University is an academically diverse and research-intensive university with a strong commitment to high-quality research and education and the development of society nationally and globally. The university offers an inspiring research and teaching environment to its 38,000 students (FTEs) and 8,300 employees, and has an annual revenues of EUR 935 million. Learn more at www.international.au.dk/