

REQUISITION NUMBER

22697

CLOSING DATE

August 14, 2022

SALARY

\$36.64 - \$52.84 per hour

LOCATION

Fort Garry Campus

UM is Manitoba's largest and only research-intensive university. We offer competitive salaries, comprehensive employee benefits and extensive opportunities to advance your career.

Join a community that is committed to creating an exceptional teaching, working and learning environment and one that values reconciliation, sustainability, diversity and inclusion.



The University of Manitoba is committed to the principles of equity, diversity & inclusion and to promoting opportunities in hiring, promotion and tenure (where applicable) for systemically marginalized groups who have been excluded from full participation at the University and the larger community including Indigenous Peoples, women, racialized persons, persons with disabilities and those who identify as 2SLGBTQIA+ (Two Spirit, lesbian, gay, bisexual, trans, questioning, intersex, asexual and other diverse sexual identities).

If you require accommodation supports during the recruitment process, please contact **UM.Accommodation@umanitoba.ca** or **204 474 7195**.

Application materials, including letters of reference, will be handled in accordance with the protection of privacy provisions of "The Freedom of Information and Protection of Privacy" (Manitoba). Please note that curriculum vitae will be provided to participating members of the search process.

Cloud Computing Specialist

The opportunity

The Linux HPC and Cloud Computing Specialist will support and facilitate the use of the available public and private Cloud resources for research compute needs at the University of Manitoba and for other Western DRI users. The Specialist will evaluate and implement new and emerging Cloud technologies and participate in solution-designs for hybrid HPC-Cloud computing to enhance our research computing capabilities.

As part of the regular operations, the Specialist will provide technical expertise, mentoring and training for the efficient use of the Cloud systems, assist researchers with the migration of their workload to the Cloud within a hybrid HPC-cloud environment. The Specialist will advise and assist researchers on the best practices for efficient deployment of their scientific software and workflows on the Cloud by using efficient, modern automation tools. The specialist will also take part in managing local HPC resources.

The qualifications and experience we're looking for

- B.Sc. degree in computer science, physics, chemistry, mathematics, engineering, or a related field with considerable work experience in a related field is required.
- M.Sc. or Ph.D. degree in a related field will be an asset.
- Proficiency with Linux/Unix system administration, system and network security, development tools and methodology, and system management.
- Experience with open source/Linux based software environment and scripting (Unix shell, one of Python, Perl, Lua, R; git, autotools, cmake etc.)
- Experience using cloud technologies with preference for cloud HPC and cloud automation.
- Knowledge and understanding of Linux containerization technologies (for example Docker, Singularity)
- Experience with one of popular Linux automation and orchestration tools, for example Ansible, Terraform.
- Experience working in the research field with strong computation focus (bioinformatics, machine learning, big data science, computational chemistry or engineering modeling, or similar) would be an asset.
- Experience with traditional High-performance computing (HPC) and storage would be an asset.
- Must be able to work in a team environment of scientists and computing professionals, both local to the University and remote.
- Strong analytical skills, ability to plan, design, develop, implement, test, and modify complex systems.
- Must be able to plan and organize projects independently.

Why the University of Manitoba?

Along with being one of Manitoba's top employers, we are proud to provide a collaborative and enriching work environment. In addition to a strong compensation package with a competitive salary, the University provides an exceptional workplace that includes:

- Comprehensive group benefits and pension plan.
- Competitive vacation time.
- Employee and Family Assistance Program.
- A full spectrum of professional development opportunities.

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https://viprecprod.ad.umanitoba.ca/DEFAULT.ASPX?REQ_ID=22697

Applications will only be accepted if you apply on UM Careers.