



Position Description – Senior Research Compute Specialist

Position Details

Position Title: Senior Research Compute Specialist

College/Portfolio: Operations **School/Group:** Information Technology Services

Campus Location: Primarily based at City campus, and the potential to work across other RMIT campuses as required.

Classification: HEW9 **Time Fraction:** 1.0

Employment Type: Continuing

Reporting Line: Delivery Lead, Digital Research Infrastructure

No. of Direct reports: 0

RMIT University

RMIT is a global university of technology, design and enterprise, committed to creating transformative experiences for students and making a meaningful impact through research, innovation, and engagement. For more information on RMIT University follow the links below.

<https://www.rmit.edu.au/about>

<https://www.universitiesaustralia.edu.au/university/rmit-university/>

<https://www.rmit.edu.au/about/facts-figures>

Our campuses in Melbourne (City, Brunswick, Bundoora, and Point Cook) are complemented by international campuses in Vietnam and a centre in Barcelona, Spain. We proudly acknowledge the Woi Wurrung and Boon Wurrung peoples of the eastern Kulin Nation on whose unceded lands our campuses are located.

We are deeply committed to reconciliation and Indigenous self-determination, embedding these values throughout our policies, culture and structures.

<https://www.rmit.edu.au/about/our-locations-and-facilities>

Why Join RMIT?

Our people are at the heart of everything we do. At RMIT, we value innovation, collaboration and impact. Our values are the heart (durrung) of who we are and what we stand for at RMIT. They guide what we do, how we make decisions, and how we treat each other.



Inclusion Imagination Integrity Courage Passion Impact

Learn more about our values: <https://www.rmit.edu.au/about/our-strategy/values>

Organisational Accountabilities

RMIT is committed to the safety, wellbeing and inclusion of all staff and students. As a staff member, you are expected to comply with all relevant legislation and RMIT policies, including those related to: Equal opportunity, Occupational health and safety, Privacy and trade practices & Child safety standards:

Appointees are responsible for completing all required training and ensuring that they and their team members remain up to date on relevant compliance obligations.

Staff are expected to understand and support RMIT's child safe practices as part of their professional responsibilities. More about our child safety commitment: <https://www.rmit.edu.au/about/our-locations-and-facilities/facilities/safety-security/child-safety>.

Leadership at RMIT

At RMIT, leadership is not defined by position or hierarchy—it is a shared responsibility demonstrated by all staff, regardless of role or title. Leadership is grounded in our six core values, which guide and shape how we work together, make decisions, and create impact.

Effective leadership means consistently integrating these values into everyday actions and interactions, whether influencing a project outcome, supporting a colleague, or leading a team. All staff are expected to embody the principles of the *Be–Know–Do* Leadership Model:

Be – We are open and authentic, inclusive and empowering. We are purpose driven role models and communicators.

Know – We are self-aware, and understand our stakeholders, our sector and priorities.

Do – We set clear direction and expectations, we develop ourselves and others and promote mutual accountability to deliver results.

At every level, leadership at RMIT is about influence, contribution, and mindset. It is reflected in how we empower others, foster collaboration, and drive positive change through capability-building and alignment to strategic goals.

College/Portfolio/Group

The Operations portfolio provides daily support for RMIT students, academics and staff. We contribute to operational efficiency and help ensure our people, financial and infrastructure needs are met. The portfolio comprises Property Services Group, People, Information Technology Services, Governance and Legal, Finance and Assurance, Enterprise Projects and Business Performance, Data and Analytics.

Position Summary

The role of Senior Research Compute Specialist is responsible for having hands-on expert involvement in the management and maintenance of RMIT digital research infrastructure platforms, guiding the team to avoid potential problems by shaping the approach taken and having constant oversight on activity, providing recommendations and insight on improvements and updates to be made as and when required.

The role requires a combination of deep technical expertise and the interpersonal skills to engage effectively with diverse groups of stakeholders — from researchers and academics across disciplines to professional staff and external partners. The Senior Research Compute Specialist works closely within a cross-disciplinary environment, translating complex technical concepts for non-technical audiences and building collaborative relationships to deliver outcomes that meet the diverse needs of researchers and advance the university's broader research mission.

Key Accountabilities

- Lead project delivery using Agile methodologies
- Develop and integrate computational research services with existing enterprise systems.
- Contribute to HPC infrastructure operations and incident resolution

- Mentor and lead junior technical staff
- Maintain currency in scientific computing
- Engage researchers and professional staff as a trusted technical partner
- Participate in DRI community of practice activities and researcher training delivery
- Support with any other tasks required to be undertaken by the Digital Research Platform Team
- Ensure adherence to ITS security and compliance standards

Key Selection Criteria

Essential:

- Experience developing and operating on-premise HPC cluster environments
- Experience in HPC cloud computing in either commercial or opensource clouds environments
- Experience supporting research data storage and data processing pipelines
- Experience in systems automation and infrastructure as code (e.g. Ansible, CloudFormation, Terraform)
- Experience in development and maintenance of research software
- Proven ability to deliver advanced technical consulting to researchers across multiple domains
- Ability to translate complex research requirements into effective technical computing solutions

Desirable:

- A postgraduate research qualification or significant progress toward such a qualification.

Qualifications

A degree qualification in a Science, Engineering or IT discipline

Working with Children Check

Appointment to this position is subject to holding a valid Victorian Working with Children Check and other checks as required by the specific role. Maintaining a valid Working With Children Check is a condition of employment at RMIT.