# ASSOCIATE RESEARCH SOFTWARE SPECIALIST

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| **DEPARTMENT/UNIT** | eResearch |
| **FACULTY/DIVISION** | Chief Information Officer |
| **CLASSIFICATION** | $85,538 - $93,819 pa HEW Level 07 (plus 9.5% employer superannuation) |
| **EMPLOYMENT TYPE** | Full-time |
| **WORK LOCATION** | Clayton campus |
| **CLOSING DATE** | Wednesday 22 August 2018, 11:55 pm AEST |
| **ENQUIRIES** | Dr. Amr H Hassan, eResearch Delivery Leader. Phone: 0409 828 272, e-mail: amr.hassan@monash.edu |

For more information on this opportunity and how to apply please see via the link below:
https://www.seek.com.au/job/36682760?_ga=2.205689107.1097536833.1531112951-665432634.1524446117

## ORGANISATIONAL CONTEXT

There's a certain feeling you get from working at Monash University. It's the feeling that you're a part of something special. Something significant. So if you're looking for the next chapter in your career, it's here. You'll be given the opportunity to challenge yourself, build on your skills, and make a significant contribution to a workplace that's filled with energetic and inspiring people. Talent thrives here - and so do truly satisfying careers. Discover more at www.monash.edu.

**eSolutions** leads and directs the provision of IT solutions to the University. eSolutions is currently leading substantial technological, service and organisational reform in its role as a single IT function for the University that operates according to the following vision: We partner with our customers to provide complete solutions enabling the Monash academic mission and delivery of the strategic agenda. We aim to be a customer focused organisation delivering flexible, responsive, coherent ICT services. For more information on the work that we do, please visit our website: www.monash.edu/esolutions/.

**Monash eResearch Centre (MeRC)** is a University commitment to accelerating research by applying advanced computing and information technology to important research problems. The centre partners with individual researchers, Australian research institutions and facilities and global research communities. MeRC is a leader amongst international eResearch initiatives and runs a number of national projects, including the Multi-model Australian Sciences Imaging and Visualisation Environment (MASSIVE) high performance computing facility,

R@CMon - a node of the Australian Research Cloud, petascale data storage infrastructure, and the national Characterisation Virtual Laboratory. Staff at the Monash eResearch Centre deliver impact; we help visualise how the human brain is connected, we design high performance computing systems, we write data processing workflows for one-of-a-kind Australian microscopes, and we write smart software for interrogating unique data collections. MeRC is driven by the quality and passion of our staff, and the partnership with the researchers we work with. For more information about the work we do, please visit our website: www.monash.edu.au/eresearch.

## POSITION PURPOSE

The Associate Research Software Specialist assists with the design and delivery of innovative software solutions for Monash researchers. Working closely with researchers and as part of a team of technical personnel, the incumbent assists in the delivery of major IT projects that have significant impact on individual research groups, global research communities and the University research program.

**Reporting line:** The position reports to the Research Support Services Manager under broad direction

**Supervisory responsibilities:** Not applicable

**Financial delegation:** Not applicable

**Budget responsibilities:** Not applicable

## KEY RESPONSIBILITIES

1. Provide technical consulting expertise to researchers

2. Apply strong analytical skills to implement and support solutions that meet the quickly evolving needs of researchers and anticipated future needs

3. Contribute to effective client engagement to deliver on project goals

4. Contribute to the development of new eResearch services for researchers and ensure integration with other components into complete solutions

5. Contribute to the smooth operation of the University's eResearch infrastructure, systems and services, including participation in the resolution of incidents in eResearch systems

6. Contribute to the planning, development and implementation of eResearch projects, to assist researchers accelerate critical research steps, including data processing, analysis, management/ visualisation, simulation and modelling

7. Contribute to papers and conference presentations where innovative ideas or methods result from implemented initiatives

8. Maintain a strong understanding of developments in emerging technologies, computer hardware, IT security, software systems and algorithms relevant to research computing

## KEY SELECTION CRITERIA

**Education/Qualifications**

1. The appointee will have:

   - A relevant degree in a science, engineering or IT discipline, with extensive relevant experience in software development; or,
   - an equivalent combination of relevant experience and/or education/training

**Knowledge and Skills**

2. Experience in one or more of the following:

   - current and next generation web technologies and distributed system development frameworks (such as LAMP stack)
   - software development for the cloud
   - scientific software development

3. Experience working on large and complex software development projects, with demonstrated ability to apply Agile project management practices in translating research requirements into effective technical solutions

4. Demonstrated experience working with researchers or assisting research communities adopt eResearch practices and/or services

5. Demonstrated knowledge and understanding of Agile software development methodologies

6. Experience working in a dynamic environment where project requirements change and are refined accordingly, and excellent planning and organisation skills, including the ability to manage competing demands and meet deadlines

7. Ability to apply analytical skill and conceptual thinking to systems and operations planning across a range of technologies

8. Demonstrated high standard written and verbal communication skills, including, the ability to communicate with a range of internal and external stakeholders, experience working with senior stakeholders, and strong ability to develop and maintain networks

9. Experience developing appropriate process and training documentation for system managers and end users

## OTHER JOB RELATED INFORMATION

- Travel to other campuses of the University and to research or eResearch meetings beyond Monash may be required
- The position may be embedded within specific research groups for negotiated periods
- There may be peak periods of work during which the taking of leave may be restricted

## LEGAL COMPLIANCE

Ensure you are aware of and adhere to legislation and University policy relevant to the duties undertaken, including: Equal Employment Opportunity, supporting equity and fairness; Occupational Health and Safety, supporting a safe workplace; Conflict of Interest (including Conflict of Interest in Research); Paid Outside Work; Privacy; Research Conduct; and Staff/Student Relationships.

# ORGANISATIONAL CHART