



Position Description – DevOps Software Engineer

Position Details

Position Title:	DevOps Software Engineer
College/Portfolio:	Design and Social Context
School/Group:	Media and Communications
Campus Location:	Based at the City campus, but may be required to work and/or be based at other campuses of the University.
Classification:	HEW 8
Employment Type:	Fixed Term till June 2028
Time Fraction:	FTE 1.0

RMIT University

RMIT is a multi-sector university of technology, design and enterprise with more than 96,000 students and close to 10,000 staff globally. The University's mission is to help shape the world through research, innovation and engagement, and to create transformative experiences for students to prepare them for life and work.

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

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

Our three main campuses in Melbourne are located in the heart of the City, Brunswick, Bundoora and Point Cook, along with other Victorian locations. There are also two campuses in Vietnam (Hanoi and Ho Chi Minh City) and a centre in Barcelona, Spain. RMIT is a truly global university.

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

We are also committed to redefining our relationship in working with, and supporting, Indigenous self-determination. Our goal is to achieve lasting transformation by maturing our values, culture, policy and structures in a way that embeds reconciliation in everything we do. We are changing our ways of knowing, working and being to support sustainable reconciliation and activate a relationship between Indigenous and non-Indigenous staff, students and community. Our three campuses are located on the unceded lands of the people of the Woi Wurrung and Boon Wurrung language groups of the eastern Kulin Nation.

Why work at RMIT University

Our people make everything at the University possible. We encourage new approaches to work and learning, stimulating change to drive positive impact. Find out more about working at RMIT University, what we stand for and why we are an Employer of Choice.

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

We want to attract those who will make a difference. View RMIT's impressive standings in university rankings.

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

College of Design and Social Context

The College of Design and Social Context encompasses RMIT University's renowned art, architecture, design, built environment, communication, and social science disciplines. The college has 24,500 students and over 1,000 staff located in 8 schools. The College's academic programs are generally market leaders and in high demand. Based on a strong foundation of practise led, industry partnered teaching and research, we aim to deliver skilled graduates with a deep sense of purpose, and high impact research and innovation.

For more information visit www.rmit.edu.au/dsc

School of Media and Communication

The School of Media and Communication pushes the boundaries of digital knowledge creation and future-focused practice. The School has a deep engagement with industry and the community that allows research and teaching to respond creatively and innovatively to global conditions. In the most recent *QS Rankings by Subject*, RMIT was ranked 37th in the world for *Communications and Media Studies*.

Partnership with industry and the community ensures we keep abreast of changing industry needs and new technologies of teaching and learning, supporting students in moving fluently between the classroom, the studio and the workplace. Work integrated learning is just one way of many in which the mutual benefits of industry and community partnerships are realised, connecting students directly to real-world projects that result in tangible outcomes.

For more information, visit www.rmit.edu.au/about/our-education/academic-schools/media-and-communication

A key centre within the School is **the ARC Centre of Excellence for Automated Decision-Making + Society (ADM+S)** which brings together universities, industry, government and the community to support the development of responsible, ethical and inclusive automated decision-making. The Centre combines leading researchers from the humanities, social and technological sciences in an international industry, research and civil society network. We work with technologists, policy-makers, and public communicators to enhance public understanding, inform public debate, and train a new generation of researchers and practitioners in this challenging new field.

<https://www.admscentre.org.au/about-us/>

Position Purpose

The Australian Internet Observatory is a four-year project (2024-2028) to develop National Research Infrastructure for collecting and analysing social data and digital platforms. AIO is an initiative of the [ARC Centre of Excellence for Automated Decision-Making + Society](#) (ADM+S) in collaboration with researchers and research centres, university partners and organisations across Australia and internationally. The Australian Internet Observatory received investment from the [Australian Research Data Commons](#) (ARDC). The ARDC is funded by the [National Collaborative Infrastructure Strategy](#) (NCRIS). The facility is being developed and led by RMIT University in partnership with Queensland University of Technology,

The University of Queensland, The University of Melbourne, Swinburne University of Technology and Deakin University.

The Australian Internet Observatory will create an interconnected ecosystem of people, data and tools to support innovative approaches to the collection and analysis of digital social data across a range of disciplines and sectors. It will support innovative approaches to the collection and analysis of digital social data and internet platforms and the analytical tools and governance required to support cutting-edge research on social, economic, health and environmental issues.

For more information visit: <https://internetobservatory.org.au>

Position Summary

The DevOps Software Engineer will play a critical role in leading the design and development of the Australian Internet Observatory, innovative national research infrastructure for studying online platforms using citizen science, data donation and machine learning tools and approaches. This leadership role involves creative collaboration with the research, operations and technical staff across partner organisations to ensure the timely delivery of quality software, tools and technical documentation for use by a range of researchers and stakeholders. The position is hybrid, based at RMIT City Campus in a modern, designer workspace with flexible options for working from home or in the office. Some interstate travel may be required for training and development activities with the wider team and community. If you are looking for a creative, collaborative and meaningful role in a relaxed but stimulating environment working in a small multidisciplinary team on critical social science research infrastructure then this is the job for you!

Reporting Line

Reports to: Program Director, Australian Internet Observatory

Direct reports: N/A

Organisational Accountabilities

RMIT University is committed to the health, safety and wellbeing of its staff. RMIT and its staff must comply with a range of statutory requirements, including equal opportunity, occupational health and safety, privacy and trade practice. RMIT also expects staff to comply with its policy and procedures, which relate to statutory requirements and our ways of working.

RMIT is committed to providing a safe environment for children and young people in our community. Appointees are accountable for completing training on these matters and ensuring their knowledge and the knowledge of their staff is up to date.

Read about our commitment and child safe practices.

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

Key Accountabilities

1. Plan, design, implement, test and maintain software applications, tools and workflows for the Australian Internet Observatory.
2. Select, provision and maintain DevOps tools across the DevOps and CI/CD lifecycle for software delivery, user acceptance testing and evaluation.
3. Design and implement integrated data and information systems, data pipelines, processing and storage techniques in super and cloud computing environments.
4. Collaborate with software engineers, researchers and the project team to plan and deliver successful research infrastructure tools, training and documentation.
5. Design through consultation and communicate tools and systems to a wide audience.
6. Report on progress against project tasks and milestones.

Key Selection Criteria

1. Experience through the whole software development cycle including requirements gathering, design, implementation and testing.
2. Experience in DevOps and software engineering roles.
3. Experience in CI/CD, platform integration, automation and building cloud-native solutions including Git and GitHub workflows.
4. Problem-solving attitude and collaborative team spirit. Ability to work collaboratively and productively within a team, including guiding and coaching other developers, take initiative and work independently while managing competing complex demands.
5. Experience working with a broad range of stakeholders.
6. Interest in the development of research software and public interest research infrastructure.

Desirable

- Experience working in a research or research infrastructure environment
- Experience with containerisation and orchestration tools such as Docker
- Proficiency in scripting and programming languages such as Python, Bash, and Go
- Knowledge and experience with cloud platforms such as AWS, GCP, or Azure

Qualifications

- A relevant tertiary degree

Note: Appointment to this position is subject to passing a 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.

Endorsed:	Signature: Name: Title: Date:	Approved:	Signature: Name: Title: Date:
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