**Senior Cloud Engineer – Australian Ocean Data Network**

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<th>College/Division</th>
<th>Deputy Vice-Chancellor (Research)</th>
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<td>School/Section</td>
<td>Integrated Marine Observing System (IMOS)</td>
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<td>Location</td>
<td>Hobart</td>
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<td>Reporting line</td>
<td>Reports to Information Infrastructure Team Lead</td>
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**Position Summary**

The Integrated Marine Observing System (IMOS) is a national collaborative research infrastructure, supported by the Australian Government. It is operated as an unincorporated joint venture (UJV), with the University of Tasmania as Lead Agent ([http://imos.org.au/](http://imos.org.au/)). IMOS provides a national, multi-institutional capability to undertake systematic and sustained observing of the marine environment, from the open ocean onto the continental shelf and into the coast, and across physical, chemical and biological variables. IMOS is implemented through a national portfolio of over 60 platform and technology-based Facilities.

All observations undertaken by IMOS produce data streams that are discoverable, accessible, usable and reusable via the Australian Ocean Data Network (AODN). Additional data is incorporated into this network from a wide range of partner organisations including research institutions, federal and state government departments, and private industry.

The AODN is part of the core program delivery within IMOS and provides a single integrated framework for marine data and information management, discovery and access. This infrastructure employs open-source principles and is standards-based, utilising ISO and OGC standards for metadata and data and is hosted on an Amazon Web Services (AWS) platform to deliver information infrastructure for IMOS and the broader community.

The AODN is seeking a Senior Cloud Engineer to work with a small highly skilled team that build, support, maintain, secure and monitor AODN’s cloud infrastructure. This person will help guide the development of infrastructure as code and CI/CD pipelines to deliver a maintainable and secure platform, empowering our team of software and data professionals to deliver their work using the platform.

The successful candidate will collaborate with cross-functional teams, help architect scalable infrastructure and provide technical guidance. They will collaboratively help build the strategic direction with respect to the AODN’s use of the cloud. They will foster a culture of continual process improvement and technical excellence and help guide and mentor staff.

We are an inclusive workplace committed to ‘working from the strength that diversity brings reflected in our Statement of Values. We are dedicated to attracting, retaining and developing our people and are committed to inclusive principles. We celebrate the range of diverse assets that gender identity, ethnicity, sexual orientation, disability, age and life course bring. Applications are encouraged from all sectors of the community. Tell us how we can make this job work for you.
What You’ll Do

- Lead the technical direction of cloud native infrastructure development with a group of experienced DevOps practitioners that empowers the IMOS AODN to deliver a reliable, cost effective and secure platform.
- Work with the AODN management team to deliver the vision for well-supported well-understood open data infrastructure
- Oversee and coordinate the implementation of architectural transition projects replacing legacy processes and methods for the management of our infrastructure within an agile project delivery framework
- Provide technical advice and guidance for internal and external stakeholders on the use of modern cloud technologies.
- Ensure appropriate monitoring, logging and security controls and processes are in place and are best practice
- Provide mentoring to the team to ensure they are well supported in all aspects of their work
- Establishing and fostering DevOps practices for the team as well as regular and continuous process improvement
- Document best practices and strategies regarding application deployment and infrastructure maintenance

What We Offer

- Flexible working arrangements including remote work and reduced hours.
- Relocation assistance if required.
- Advantageous salary packaging options
- 17% superannuation
- Great social environment with many organised social events
- Waterfront location in the heart of Salamanca Hobart
- Working on interesting and meaningful digital products that make a tangible difference to society, science and the natural environment.

What We’re Looking For (success criteria)

- Tertiary qualification in Computer Science (or similar), or equivalent experience
- Demonstrated technical leadership with an ability to develop team members and transfer knowledge to team members as required
- Significant experience in architecting and maintaining cloud infrastructure on AWS or an equivalent cloud platform.
- Expert technical skills in system administration, computer networking and scripting using Bash, Python or other scripting languages
Experience in cloud application operations monitoring systems and system logging and debugging capability

Knowledge and experience with containerisation and container orchestration.

Experience developing and maintaining infrastructure as code (IaC) and continuous integration/continuous delivery (CI/CD)

Excellent written and oral communications skills.

Other Desirable Position Requirements

Knowledge of and experience working within a cloud security framework.

Applicants are required to address the success criteria in their application

*It is not the intention of the position description to limit the scope or accountabilities of the position but to highlight the most important aspects of the position. The aspects mentioned above may be altered in accordance with the changing requirements of the role.*

University of Tasmania

The University of Tasmania is an institution with an enduring commitment to our state and community, and a strong global outlook. We are committed to enhancing the intellectual, economic, social and cultural future of Tasmania. Our Strategic Direction strongly reflects the University community’s voice that our University must be place based but globally connected as well as regionally networked and designed to deliver quality access to higher education for the whole State.

We believe that from our unique position here in Tasmania we can impact the world through the contributions of our staff, students and graduates. We recognise that achieving this vision is dependent on the people we employ, as well as creating a university that is values-based, relational, diverse, and development-focused.