# Position Details

## Research Projects- CSOF5

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| The following information is for applicants |
| Advertised Job Title | DevOps Engineer |
| Job Reference | 66534 |
| Tenure | Indefinite, Full-time |
| Salary Range | AU$98,735 to AU$106,848 pa (pro-rata for part-time) + up to 15.4% superannuation |
| Location(s) | Marsfield, NSW | Kensington, WA |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | Australian/New Zealand Citizens and Australian Permanent Residents Only |
| Position reports to the | Team Leader – Monitoring and Control Software |
| Client Focus – Internal | 80% |
| Client Focus – External | 20% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Malte Marquarding via email at Malte.Marquarding@csiro.au *Please do not email your application directly to Malte Marquarding. Applications received via this method will not be considered.* |
| How to apply | Apply online at <https://jobs.csiro.au/> Internal applicants please apply via **Jobs Central**If you experience difficulties when applying, please email careers.online@csiro.au or call 1300 984 220. |

### Role Overview

Research Projects staff in CSIRO collaborates in scientific and technological activities with other research staff usually by assisting with detailed planning, undertaking or assisting with experimental, observational or technology development work, and in carrying out the more practical aspects of the work.

The DevOps Engineer will extend and support CASS’s (CSIRO Astronomy and Space Science) observatories complex software system as a member of the software group. The group is developing end-to-end software solutions, covering control systems and data processing for the latest generation of radio telescopes both for our national facilities such as the Australian Square Kilometre Array Pathfinder (ASKAP) and the international Square Kilometre Array project (SKA). The role will provide the opportunity to learn new things and grow your skills with a highly skilled and diverse team.

### Duties and Key Result Areas:

* Build and manage software delivery, systems integration, and developer support tools.
* Design and implement the next phase of CI/CD for ASKAP software.
* Automate processes and procedures to continuously improve the way we work.
* Work collaboratively with developers and engineers to deliver software and support for observatories.
* Liaise with clients to determine their needs and take personal responsibility for their satisfaction, correcting problems promptly and in a constructive manner.
* Working with unique or unusual features and complexity which require original design and techniques, some of which may be outside a single discipline.
* Communicate openly, effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation.
* Make significant contributions to the interpretation and communication of research or technological results and may collaborate on drafting presentations to, and/or detailed written reports for, clients and the scientific and/or technology community.
* Work collaboratively as part of a multi-disciplinary, often regionally dispersed research team, and business unit to carry out tasks in support of CSIRO scientific objectives.
* Adhere to the spirit and practice of CSIRO’s Code of Conduct, Health, Safety and Environment procedures and policy, Diversity initiatives and Making Safety Personal goals.
* Other duties as directed.

## **Required Competencies:**

* **Teamwork and Collaboration:** Cooperates with others to achieve organisational objectives and may share team resources in order to do this. Collaborates with other teams as well as industry colleagues.
* **Influence and Communication:** Uses knowledge of other party's priorities and adapts presentations or discussions to appeal to the interests and level of the audience. Anticipates and prepares for others reactions.
* **Resource Management/Leadership:** Sets up and maintains effective and efficient work teams and manages performance and resources, to achieve objectives. Chooses appropriate management strategies and communication styles to maintain high levels of motivation and productivity. Gives feedback for development purposes and provides support and direction for improvement.
* **Judgement and Problem Solving:** Investigates underlying issues of complex and ill-defined problems and develops appropriate response by adapting/creating and testing alternative solutions.
* **Independence:** Plans, sets and works to meet challenging standards and goals for self and/or others. Recognises where endeavours will make the most impact or difference, decides on desired outcome and sets realistic goals to reach this target.
* **Adaptability:**Copes with ambiguity or situations that lack clarity. Adapts readily to changing circumstances and new responsibilities (which may include activities outside own preferences) in the interests of achieving team objectives. Recognises the need for and undertakes personal development as a result of changes.

## **Selection Criteria**

#### Essential

*Under CSIRO policy only those who meet all essential criteria can be appointed.*

1. A tertiary qualification in a scientific or technical discipline such as Computer Science or a similar technical field.
2. Solid experience with CI/CD processes and tools, e.g. Jenkins.
3. Experience with configuration management tools, e.g. Ansible.
4. Proficiency with setting up and maintaining virtualised environments, e.g. HA systems.
5. Proficiency in Python and shell dialects such as Bash.
6. Experienced with troubleshooting complex problems in distributed systems.
7. The ability to collaborate and grow with a multi-disciplinary, geographically dispersed research and engineering team.

## **Desirable:**

1. Experience with Debian or Debian-like operating systems.
2. A background in supporting scientific software.
3. Experience deploying and supporting python applications.
4. Experience with metric collection and display, e.g. influxdb, Grafana, etc
5. An interest in astronomy.

Special Requirements

Appointment to this role may be subject to conditions including provision of a national police check as well as other security/medical/character clearance requirements.

Include if relevant:

The successful candidate will be asked to obtain and provide evidence of a National Police Check or equivalent. Please note that people with criminal records are not automatically deemed ineligible. Each application will be considered on its merits.

## **About CSIRO:**

We solve the greatest challenges through innovative science and technology. To find out more visit us [online](http://www.csiro.au/)!

Find out more about the CSIRO [Astronomy and Space Science](https://www.csiro.au/en/Research/Astronomy)