# Position Details

## Research Projects- CSOF5

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| The following information is for applicants |
| Advertised Job Title | Software Engineer – ATNF Webmaster and Data Management |
| Job Reference | 81816 |
| Tenure | Indefinite Full-time, Part-time or Job-share (min 60 hours/fortnight required) |
| Salary Range | AU$102,724 - AU$106,947 plus up to 15.4% superannuation |
| Location(s) | Marsfield (NSW) preferred |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | Australian/New Zealand Citizens and Australian Permanent Residents |
| Position reports to the | Team Leader – ATNF Science Data Processing and Archives |
| Client Focus – Internal | 100% |
| Client Focus – External | 0% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Eric Bastholm via email at eric.bastholm@csiro.au |
| 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

The role of Research Projects staff in CSIRO is to collaborate in scientific and technological activities with other research staff. This may include detailed planning, undertaking or assisting with experimental, observational or technology development work, and carrying out the more practical aspects of the work.

The Software Engineer – ATNF Web Master and Data Management is part of the Australia Telescope National Facility (ATNF) Software and Computing Group. This group is responsible for developing and maintaining all the software that is critical to the efficient operations of the radio telescopes.

This role will involve:

* Development, maintenance, testing, and support of several full stack web applications which support the ATNF Science Data Archives and their users.
* Management and support of ATNF website content, infrastructure, and security.
* Support of Australian Square Kilometre Array Pathfinder (ASKAP) users with data management.

### Duties and Key Result Areas

* Develop and maintain the ATNF Science Data Archives and related web applications.
* Maintain and support the existing ATNF website content infrastructure, incl. web security.
* Provide support and assistance to ASKAP users on data management and general user support.
* Design, develop and adapt software and/or user experience, requiring high levels of initiative, ingenuity and skills (some of which are outside a single discipline).
* Collaborate with staff from other teams to meet their objectives as required.
* Liaise with clients to determine their needs and take personal responsibility for client satisfaction.
* Address problems promptly and constructively.
* 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.
* Work collaboratively as part of a multi-disciplinary, regionally dispersed research team to carry out tasks in support of CSIRO’s scientific objectives.
* Adhere to the spirit and practice of CSIRO’s Values, Code of Conduct, Health, Safety and Environment procedures and policy, Diversity initiatives and Making Safety Personal goals.
* Other duties as requested.

## **Selection Criteria**

#### Essential

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

1. A relevant Bachelor’s or Master’s degree or equivalent relevant work experience in Software Engineering, Computer Science, Software and Web Development.
2. Experience in developing and maintaining full stack web applications, including:
	1. Experience with web technologies and standards
	2. Proficiency with Java and Python
	3. Proficiency with JavaScript, HTML, CSS
	4. Experience with relational databases
	5. Experience with Drupal (including module development)
	6. Knowledge in web authentication and security
	7. Experience with Linux systems
3. Well-developed communication skills and the ability to engage with stakeholders and users on software requirements.
4. Experience working in a software team.

## **Desirable**

1. Experience with agile methodologies such as Scrum or Kanban
2. Experience with Confluence, JIRA, and git
3. Experience with container technologies like Docker
4. Experience or interest in astronomy

## **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 team 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.

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 Clearance or equivalent. Please note that individuals 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. Visit [CSIRO Online](http://www.csiro.au/) and [Space and Astronomy](https://www.csiro.au/en/research/technology-space/astronomy-space) for more information.

CSIRO is a values-based organisation.  In your application and at interview you will need to demonstrate behaviours aligned to our values of:

* People First
* Further Together
* Making it Real
* Trusted