# Research Projects – CSOF5

Role summary for potential applicants

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| Advertised Job Title**:** | Full-Stack Developer |
| Reference Number**:** | 58689 |
| Classification**:** | CSOF5 |
| Salary Range: | AU $97,276k to AU $105,269k plus up to 15.4% superannuation |
| Location**:** | Marsfield, NSW or Kensington, WA |
| Tenure: | 18 months |
| Relocation assistance**:** | Will be provided to the successful candidate if required |
| Applications are open to: | [ ]  Australian Citizens Only[x]  Australian/New Zealand Citizens and Australian Permanent Residents Only |
| Functional Area**:** | Research Projects |
| % Client Focus - Internal: | 80% |
| % Client Focus - External: | 20% |
| Reports to the: | Team Leader, Telescope Monitoring and Control, CSIRO Astronomy & Space Science |
| Number of Direct Reports: | 0 |

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| **Role Overview:** |
| As a Full-stack Developer, you will develop and maintain web-based applications for the operation of CSIRO Astronomy and Space Sciences (CASS) radio telescopes. In this role you will apply feedback from a diverse user base such as researchers, engineers and support staff to update the user interfaces, to help enable scientific research from around the world. You will be using Java-based web applications and play a key role in developing the CASS induction web application stack. |

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| **Duties and Key Result Areas:** |
| * Maintain and develop the ASKAP Observation Management Portal (OMP), a java-based web application.
* Interact with users on requirements and feedback to keep the user interfaces relevant and adaptable to a dynamic environment.
* Develop new monitoring and controlling interfaces for engineering, based on modern web technologies.
* Maintain and develop the CASS induction web applications.
* Work as part of a multi-disciplinary, regionally dispersed team, to carry out tasks autonomously in support of scientific research and instrument operation.
* Communicate effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation.
* Adhere to the spirit and practice of CSIRO’s Values, Health, Safety and Environment plans and policies, Diversity initiatives and Zero Harm goals.
* Other duties as directed.
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| **Selection Criteria:** |
| *Under CSIRO policy only those who meet all essential criteria can be appointed****Pre-Requisites:***1. **Education/Qualifications:** A relevant Bachelors/Masters Degree or equivalent experience in Computer Science
2. **Communication:** The ability to communicate in a fluent and courteous manner, both written and verbal, offering factual information supported by proven data, and providing appropriate feedback when required.
3. **Behaviours:** A history of professional and respectful behaviours and attitudes in a collaborative environment.
4. **Adaptability:** The ability to effectively manage a number of competing priorities simultaneously, and carry out non-routine tasks under general direction.
5. **Problem Solving:** Proven ability to investigate routine problems by identifying and considering the implications of a range of available alternative solutions**.**

***Essential Criteria:***1. Extensive experience developing Java-based web applications.
2. Demonstrated experience developing HTML5/JavaScript front-end applications.
3. Familiarity with developing and deploying applications on Linux-based systems.
4. Everyday usage experience with continuous integration and supporting tools (e.g. Jenkins, Git)
5. The ability to work effectively as part of a multi-disciplinary, regionally dispersed research team, and carry out tasks under general directions.
6. The ability & willingness to contribute novel ideas and approaches in support of scientific investigations.

**Desirable Criteria:**1. Experience working with the Elasticsearch software stack
2. Applied knowledge of using D3.js to visualise data
3. UX design

**As Australia’s Innovation Catalyst, CSIRO has strategic actions underpinned by behaviours aligned to**:* Excellent science
* Our People
* Health, safety & environment
* Adaptiveness

**In your application and at interview you will need to demonstrate alignment with these behaviours.** |

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| **Other Information:** |
| **How to Apply**Please apply for this position online at <https://jobs.csiro.au/> and enter requisition number 58689. Internal applicants please apply via ‘Jobs Central’ in SAP (click ‘Recruitment’) Please load your CV (Maximum 2MB). You may also be required to respond to some screening questions.  If you experience difficulties applying online call 1300 984 220 for assistance. Outside Australian business hours please email: csiro-careers@csiro.au. **Referees**: Please provide contact details of two previous supervisor or academic/professional referees in your resume/CV. We will ask your permission before making contact. **Contact:** If after reading the position details above you require more information please contact: Mr Malte Marquardingvia email: Malte.Marquarding@CSIRO.au or phone +61 2 9372 4485 Please **do not** email your application directly to Mr Marquarding. Applications received via this method may not be considered by the selection panel.**About CSIRO**At CSIRO, we do the extraordinary every day. We innovate for tomorrow and help improve today – for our customers, all Australians and the world. Our innovations contribute billions of dollars to the Australian economy every year. As the largest patent holder in the nation, our vast wealth of intellectual property has led to more than 150 spin-off companies. With more than 5,000 experts and a burning desire to get things done, we are Australia’s catalyst for innovation. **CSIRO. We imagine. We collaborate. We innovate.**Find out more! [www.csiro.au](http://www.csiro.au). We work flexibly at CSIRO, offering a range of options for how, when and where you work. Talk to us about how this role could be flexible for you. Find out more! [CSIRO Balance](https://www.csiro.au/en/Careers/The-CSIRO-Experience/Balance) **CSIRO Astronomy and Space Science**CASS operate world-class national facilities for radio astronomy, spacecraft communications and tracking, and collecting satellite-derived data about Earth, for customers from across Australia and the world. |