# Position Details

## Research Projects- CSOF6

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| The following information is for applicants |
| Advertised Job Title | Senior Full Stack Developer (Pawsey Centre) |
| Job Reference | 98407 |
| Tenure | Indefinite, Full-time |
| Salary Range | AU$131,113.00 - AU$ 153,639.00 per annum plus up to 15.4% superannuation |
| Location(s) | Pawsey Centre – Kensington, Perth, Western Australia |
| 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 | Data Services Team Lead |
| Client Focus – Internal | 90% |
| Client Focus – External | 10% |
| Number of Direct Reports | 1 |
| Enquire about this job | James Leith (Human Resources Specialist Manager) via email at james.leith@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. |

**Acknowledgement of Country**

CSIRO acknowledges the Traditional Owners of the land, sea and waters, of the areas that we live and work on across Australia. We acknowledge their continuing connection to their culture and pay our respects to their Elders past and present. View our [vision towards reconciliation](https://www.csiro.au/en/about/Indigenous-engagement/Reconciliation-Action-Plan).

**Child Safety**

CSIRO is committed to the safety and wellbeing of all children and young people involved in our activities and programs. View our [Child Safe Policy](https://www.csiro.au/en/about/policies/child-safe-policy).

### Role Overview

The Pawsey Supercomputing Centre is a high-performance computing facility accelerating scientific discoveries for Australia’s researchers. Located in Perth, Western Australia, Pawsey is currently serving scientists across the nation in domains such as radio astronomy, energy and resources, engineering, bioinformatics, and health sciences. The Pawsey Centre is managed through a long-standing and successful unincorporated joint venture of the CSIRO, Curtin University, Edith Cowan University, Murdoch University and The University of Western Australia, and supported by funding from the Western Australian and Federal governments.

The Pawsey Centre is home to Setonix, the most powerful research supercomputer in the Southern Hemisphere. Setonix was recognised as one of the most energy efficient high performance computing systems in the world. Setonix, and the high-performance networking and storage capabilities at Pawsey, supports Australia's commitment to the Square Kilometre Array (SKA) and Australian pathfinder projects (ASKAP and MWA). The Pawsey Centre is also involved in multiple future technology evaluation projects, including quantum computing (https://pawsey.org.au).

This position is an opportunity to architect solutions that will assist national and international researchers as they access and utilise The Pawsey Centre’s facilities. You will be working with a highly experienced team to deploy integrated solutions that will leverage the advanced computing, networking, and storage infrastructure at Pawsey. Intrinsic to the position is the opportunity to learn more about the advanced research being done by Australian and international researchers. The position also allows for negotiation of flexible working arrangements.

### Duties and Key Result Areas

* Architect and lead the development of front-end websites for efficient access to Pawsey resources.
* Oversee the development of back-end applications for integration with Pawsey infrastructure.
* Oversee the maintenance and security of production front-end websites.
* Undertake problem solving at a high level for systems and workflows.
* Respond to and manage support issues via request tracking.
* Develop and maintain effective documentation for systems support and operating procedures.
* Contribute to knowledge sharing across the technical operations team.
* Contribute to relevant training activities.
* Communicate 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 with colleagues within your team, the broader CSIRO and across partner institutions to reach objectives.
* 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.

## **Selection Criteria**

#### Essential

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

* Tertiary qualifications in Science, Engineering, Computer Science, Information Technology, or a related field.
* Strong verbal and written communication skills, with the ability to engage effectively with colleagues, clients, and stakeholders—including influencing support for complex or contentious proposals.
* Demonstrated history of professional, respectful, and collaborative behaviour in team environments.
* Proven ability to manage multiple competing priorities and work independently on non-routine tasks.
* Experience investigating complex, ambiguous problems and developing solutions by adapting, testing, and refining alternative approaches.
* Established experience as a full-stack web developer.
* Proficiency with modern MVC frameworks such as Django, Laravel, or Flask.
* Experience with modern frontend frameworks such as React, Vue.js, or Angular.
* Experience managing software development and deployment within team-based environments.
* Self-motivated and capable of working independently while contributing effectively to team goals.

## **Desirable**

* Experience with Python, Git, and the Atlassian suite of tools.
* Experience deploying applications on cloud platforms such as OpenStack and AWS.
* Familiarity with modern authentication protocols, such as OpenID.

## **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:** Identifies critical stakeholders and influences them via an influential third party, for example through an established network, to gain support for sometimes contentious, proposals / ideas.
* **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:** Anticipates and manages problems in ambiguous situations. Develops and selects an appropriate course of action and provides for contingencies. Evaluates, interprets and integrates complex bodies of information and draws logical conclusions, synthesises proposals and defends options with reasoned arguments.
* **Independence:** Assesses the risk and opportunity of identified strategies, options and actions. Overcomes problems and setbacks in achieving goals. Invariably includes consideration of value-added future impact on bottom line when determining the optimal and efficient use of resources.
* **Adaptability:**Demonstrates flexibility in thinking and adapts to and manages the increasing rate of organisational change by adjusting strategies, goals and priorities.

Special Requirements

Appointment to this role is subject to provision of a pre-employment background check and may be subject to other security/medical/character clearance requirements.

* The successful candidate will undertake a pre-employment background check. 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 [Pawsey Supercomputing Research Centre](https://www.csiro.au/en/about/facilities-collections/Pawsey-Supercomputing-Research-Centre) 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