# Position Details

## Research Projects- CSOF4

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| The following information is for applicants |
| Advertised Job Title | Environmental Web Developer/Engineer |
| Job Reference | 89998 |
| Tenure | Specified Term of 2 years Full-time |
| Salary Range | AU$88,809 – AU$100,474 per annum plus up to 15.4% superannuation |
| Location(s) | Canberra, ACT or Melbourne, VIC |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | * Australian or New Zealand Citizens
* Australian Permanent Residents
* Australian Temporary Residents, currently residing in Australia, with an existing valid visa and unrestricted work rights for the duration of the term (at least until end of 2024), and **no requirement** for visa sponsorship.
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| Position reports to the | Team Leader, Knowledge Delivery |
| Client Focus – Internal | 0% |
| Client Focus – External | 100% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Peter Fitch via email at peter.fitch@csiro.au or phone +61 2 6216 7017 |
| 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).

### Role Overview

The role of Research Projects staff in CSIRO is to collaborate 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 Environmental Web Developer/Engineer will join the Knowledge Delivery team within CSIRO’s Land & Water business unit. This position will contribute to the development of a web-based information system to support a large environmental modelling and decision support program. They will work within a project environment and work with a larger team of research scientists and technical specialists.

The Environmental Web Developer/Engineer will ideally be an experienced web developer and be able to demonstrate best practice approaches of designing and deploying web applications using modern frameworks and platforms.

### Duties and Key Result Areas

* Design and develop web applications that meet project and end-user requirements.
* Undertake systems and component testing as required.
* Ensure that deployed applications meet security requirements.
* Support other members of the development team as required.
* Under general direction, participate in planning projects and accept responsibility for the scheduling and completion of major parts of projects, including allocating and directing tasks where appropriate.
* Adapt and/or develop original software in support of existing and further research, promptly addressing where methods may not be defined, and initiative is required in seeking new approaches to meet experimental and/or technological needs.
* 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, often regionally dispersed research team, and business unit to carry out tasks in support of CSIRO’s 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.

## **Selection Criteria**

#### Essential

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

1. Bachelor’s degree or equivalent relevant work experience in information technology, computer science/software engineering.
2. Demonstrated significant software development experience with web technologies (i.e. ReactJS, Typescript, Javascript, NodeJS) to develop and deploy research quality applications.
3. Proven track record of implementing using CI/CD best practice approaches and tools (e.g. AWS CodeBuild/CodePipeline, Azure DevOps, Jenkins, Github Actions).
4. Demonstrated experience with software engineering development processes (i.e. unit testing, integration testing), and tools, such as Agile, Jira, Git, Bitbucket, and Github.
5. Experience working in a multi-disciplinary team across locations.

## **Desirable**

1. Demonstrated experience with the Python coding language to develop relevant components.
2. Experience using containerised cloud deployments and DevOps tools, e.g. Docker, Terraform, Vault, Azure DevOps.
3. Experience developing using public cloud infrastructure and tools (i.e. AWS).

## **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:** Allocates activities, directs tasks and manages resources to meet objectives. Provides coaching and on the job training, recognises and supports staff achievements and fosters open communication in the team.
* **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:** Recognise and makes immediate changes to improve performance (faster, better, lower cost, more efficiently, better quality, improved client satisfaction).
* **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.

* 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. To find out more visit us [online](http://www.csiro.au/)!

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

* 1. People First
	2. Further Together
	3. Making it Real
	4. Trusted

Find out more about CSIRO [Land and Water](https://www.csiro.au/en/Research/LWF)