# Position Details

## Research Projects- CSOF4

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| The following information is for applicants |
| Advertised Job Title | Project Cloud Engineer |
| Job Reference | 76963 |
| Tenure | Specified Term of 24 months  |
| Salary Range | AU$85,361 to AU$96,573 pa + up to 15.4% superannuation |
| Location(s) | Canberra or Melbourne |
| 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 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. |

### Role Overview

The Project Cloud Engineer will join the Knowledge Delivery team within CSIRO’s Land & Water business unit. This position will contribute to the development of a cloud-based information system to support a large environmental modelling and decision support program. The person will work within a project environment and work with a larger team of research scientists and technical specialists.

The successful applicant will ideally be an experienced cloud developer or cloud engineer and be able to demonstrate best practice approaches of designing and deploying data processing and storage systems to the public cloud (AWS, Azure etc.).

## **Duties and Key Result Areas:**

As part of a team the successful applicant will:

* Undertake data flow analyses and develop specifications for dataflow systems.
* Implement public cloud data processing and management systems or components.
* Undertake systems and component testing as required.
* Ensure that deployed systems and components meet cloud security requirements.
* Support other members of the build 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.

## **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.

## **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 computer science/software engineering.
2. Demonstrated experience in analysing and architecting data processing pipelines for the public cloud.
3. Demonstrated experience in using infrastructure-as-code approaches to building and deploying cloud-based systems.
4. Evidenced track record of implementing best practice approaches to securing public cloud deployments.
5. Demonstrated high level competence with the Python coding language to develop components for public cloud.
6. Demonstrated experience with software engineering development processes and tools, such as Agile, Git and Bitbucket.

## **Desirable:**

1. Experience using JavaScript to develop cloud components.
2. Experiences using containerised cloud deployments and DevOps tools, e.g. Docker, Terraform, Azure DevOps.

Special Requirements

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 at [CSIRO online](http://www.csiro.au/) or [Land and Water](https://www.csiro.au/en/Research/LWF).

CSIRO is a values-based organisation. We expect our employees to demonstrate behaviours aligned to our values of:

• People First

• Further Together

• Making it Real

• Trusted