# Position Description

## Technical Services – CSOF3

The following information is for applicants

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| Advertised Job Title**:** | Software Engineer |
| Job Reference: | 62285 |
| Relocation Assistance**:** | Will be provided to the successful candidate if required. |
| Applications Are Open To: | Australian/New Zealand Citizens and Australian Permanent Residents Only |
| Percentage of Client Focus - Internal: | 90% |
| Percentage of Client Focus - External: | 10% |
| Number of Direct Reports: | 0 |
| Name and Contact Details For Applicant Enquiries: | If after reading the position details above you require more information please contact **Zoe Piper** (zoe.piper@csiro.au) |
| Contact Details For Applying: | Call 1300 984 220 or email careers.online@csiro.au |
| How to Apply: | Please apply online at [jobs.csiro.au](https://jobs.csiro.au/) and enter the requisition number**.** Internal applicants please apply via ‘Jobs Central’ through the ‘People Hub’ icon  |

## Role Overview:

Developed in collaboration with over 70 partners, IC Global (<https://innovationcatalyst.global>) is an integrated suite of platforms designed to catalyse innovation by facilitating: capability discovery, problem solving and data visualisation.

The IC Global team are responsible for the development, delivery and management of the IC Global Platform Suite, including:

* Expert Connect (<https://expertconnect.global/>)
* Innovation Challenges marketplace (<https://innovationchallenges.global/>)
* InnovationMap (<http://innovationmap.global/>)

Under the direction of the Principal Software Engineer and with guidance from the Senior Software Engineer, contribute to the development, testing and ongoing maintenance of system sub-components.

## Duties and Key Result Areas:

The Software Engineer will work with the Principal Software Engineer and other team members to:

* Develop and maintain robust and scalable software in response to business needs
* Design, build and deploy beautiful, efficient and maintainable user interfaces
* Contribute to ongoing process improvement activities
* Collaborate effectively with research, engineering and business teams across CSIRO to ensure that project goals and CSIRO’s strategic goals are achieved
* Maintain high ethical and performance standards
* 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

## CSIRO Competencies:

1. **Teamwork and Collaboration: Proactively seeks and considers the ideas and opinions of others from within and outside the team to help form decisions, plans or actions.**
2. **Influence and Communication: Puts forward ideas by presenting factual information supported by data, definitions, examples, illustrations or other aids, which will assist in conveying meaning.**
3. **Resource Management/Leadership: Provides instruction and assists other staff to complete allocated tasks and activities.**
4. **Judgement and Problem Solving:** Identifies and considers the implications of a range of available alternatives in order to select the most appropriate response to problems of a familiar or recurring nature.
5. **Independence: Recognise and makes immediate changes to improve performance (faster, better, lower cost, more efficiently, better quality, improved client satisfaction).**
6. **Adaptability:** Willingness to change ideas or perceptions based on new information, contrary evidence or other people's points of view. Prepared to try out different approaches.

## Selection Criteria:

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

1. Sound written and oral communication skills.
2. Demonstrated ability to write readable, efficient and well documented code.
3. Demonstrated ability to use Git or similar version control system, experience with Jenkins or other automation servers desirable.
4. Demonstrated Javascript/typescript experience.
5. Experience with at least one JVM language such as Scala or Java.
6. Demonstrated UI development experience, ReactJS application development well regarded.

## Desirable Criteria:

1. Experience building RESTful apis.
2. Some functional programming experience.
3. NodeJS experience.
4. Experience with AWS.
5. Docker experience.
6. Familiarity with Elasticsearch or similar search technology.
7. Experience or interest in entity resolution, or entity extraction particularly as it relates to name disambiguation.
8. Interest in machine learning and graph analytics.

## Special Requirements:

Appointment to this role may be subject to conditions including security/national police/medical/character clearance requirements. Applicants who are not Australian Citizens or Permanent Residents may be required to undergo additional security clearances, which may include medical examinations and an international standardised test of English language proficiency (i.e. IELTS test).- <https://ielts.com.au/>

## About CSIRO:

We imagine. We collaborate. We innovate. To find out more visit us [online](http://www.csiro.au/)!