# Position Details

## Research Projects- CSOF5

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| The following information is for applicants | |
| Advertised Job Title | Research Project Officer – Software Engineer |
| Job Reference | 66981 |
| Tenure | Indefinite  Full-time |
| Salary Range | AU$98,735 to AU$106,848 pa (pro-rata for part-time) + up to 15.4% superannuation |
| Location(s) | Brisbane, QLD |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | Australian/NZ Citizens and Australian Permanent Residents Only |
| Position reports to the | Team Leader, Health Data Engineering |
| Client Focus – Internal | 40% |
| Client Focus – External | 60% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Derek Ireland via email: derek.ireland@csiro.au.  *Please do not email your application directly to Derek Ireland. Applications received via this method will not be considered.* |
| 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](mailto:careers.online@csiro.au) or call 1300 984 220. |

### Role Overview

The Australian e-Health Research Centre ([AEHRC](https://aehrc.com/)) is a world class centre undertaking research and development across health and biomedical informatics and health services.

We are seeking to appoint a highly motivated software engineer in our Health Data Engineering team.

The Software Engineer will work with a team of dedicated digital health scientists and engineers to develop full stack solutions with modern Web and Mobile Technologies as well as standards like FHIR and SNOMED. This will involve, working across multiple projects to deliver full stack solutions with a bias to UI development.

The Software Engineer will work with innovative researchers in a leading government organisation which is engaged in world class scientific research projects. The Engineer will have a unique opportunity to translate their research into practice with impact on both Australian and international e-Health programmes.

### Duties and Key Result Areas:

* Work with clients, CSIRO researchers and software engineers to deliver projects in developing software solutions to tackle issues in the collection, integration and analysis of clinical and other health data.
* Develop and maintain high quality software in accordance with industry best practice and organisational guidelines.
* Contribute to the management and administration of operational business systems, web sites and associated infrastructure both on-prem and in cloud.
* Communication of project outcomes through support documentation, demonstrations and presentations.
* Help build CSIRO’s research and engineering reputation for integrated and multi-disciplinary science related to health data semantics.
* 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 team 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 team 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:** 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:** Investigates underlying issues of complex and ill-defined problems and develops appropriate response by adapting/creating and testing alternative solutions.
* **Independence:** Plans, sets and works to meet challenging standards and goals for self and/or others. Recognises where endeavours will make the most impact or difference, decides on desired outcome and sets realistic goals to reach this target.
* **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. A tertiary qualification in a relevant discipline such as Computer Science or equivalent field.
2. Experience in working with clients to lead a project from concept to delivery.
3. Demonstrated programming skills to a high level with experience of multiple languages and platforms (JavaScript, Java, Python, Kotlin, Dart), with an emphasis on web development (JavaScript, Typescript, CSS, Angular).
4. Experience in database administration and maintenance and writing reports.
5. Demonstrated experience applying agile development practices across the full software development life cycle (requirements gathering, software design, programming, testing and documentation).
6. The ability to work as part of a team as well as demonstrable evidence of self-organisation, including meeting demanding deadlines and responding creatively and rapidly to new requirements.

## **Desirable:**

1. Experience with developing web-based user interfaces and RESTful APIs and an interest in contemporary computer science topics such as functional programming (e.g. Haskell), Big Data, NoSQL data stores, Information Retrieval, and Deep Learning.
2. Experience with cloud infrastructure as code, in particular Terraform and AWS.

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 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 [online](http://www.csiro.au/)!

Find out more about CSIRO [Health and Biosecurity](https://www.csiro.au/en/Research/BF)