# Position Details

## Research Projects- CSOF4

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| The following information is for applicants | |
| Advertised Job Title | Junior Software Engineer – Health Informatics |
| Job Reference | 76629 |
| Tenure | Indefinite |
| Salary Range | AU$85,361 to AU$96,573pa (pro-rata for part-time) + up to 15.4% superannuation |
| Location(s) | Brisbane - RBWH |
| Relocation Assistance | No |
| Applications are open to | * Australian/New Zealand Citizens and Australian Permanent Residents Only |
| Position reports to the | Team Leader/Senior Engineer |
| Client Focus – Internal | 80 |
| Client Focus – External | 20 |
| Number of Direct Reports | 0 |
| Enquire about this job | **Dr Michael Lawley** via email: [Michael.Lawley@csiro.au](mailto:Michael.Lawley@csiro.au) or telephone: **07 3253 3610**. |
| 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 role of a Software Engineer within CSIRO is to initiate, develop, lead and promote CSIRO's research capability for the benefit of Australia's economy, society/community and/or environment through strategic partnerships with industry. The Software Engineer will work with CSIRO research scientists and project staff and CSIRO clients to develop and deliver projects.

The Australian e-Health Research Centre (AEHRC - <http://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 individual within our Health Informatics group.

The successful candidate will contribute to multiple projects undertaken within AEHRC and with partner organisations. These projects will include the development of new platforms and applications for data interoperability in healthcare – including information modelling with FHIR and OMOP and the use of clinical terminologies such as SNOMED CT.

### This is a great opportunity for the successful candidate to work with other innovative researchers in a leading government organisation which is engaged in world class scientific research projects, and offers excellent career development and professional support. CSIRO is strongly committed to Diversity and offers Flexible Working Arrangements. The successful candidate 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 and CSIRO researchers and software engineers to lead projects in developing software and solutions to deliver high-impact solutions within the area of 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.
* 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 effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation.
* Work with CSIRO Business Development staff to identify commercial opportunities for software and products developed as part of projects.
* Adhere to, promote and encourage 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.

## **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**

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

***Pre-Requisites:***

1. **Education/Qualifications:** Knowledge and skills gained through tertiary qualifications in a relevant discipline such as Computer Science or equivalent field.
2. **Communication:** Excellent communication skills, both written and oral, including the ability to anticipate the interests and knowledge level of an audience and present information and feedback accordingly.
3. **Collaboration:** A history of professional and respectful behaviours and attitudes in a collaborative environment.
4. **Adaptability:** The ability to effectively manage a number of competing priorities simultaneously, and carry out non-routine tasks independently.
5. **Problem Solving:** Proven ability to anticipate and manage significant issues, often in ambiguous situations, by evaluating and interpreting complex information and developing creative solutions and contingencies.

***Essential Criteria:***

1. Interest in developing digital health applications
2. Knowledge and experience in developing mobile and/or web-based applications with technologies such as Angular, React, Flutter, and Dart.
3. Knowledge and experience with Python, Java-based frameworks and libraries such as Spring Boot, Lucene, Apache Spark.
4. Knowledge of public cloud infrastructure and containerised deployment through for example Kubernetes
5. Knowledge of working in a team environment and participating in an agile software development process.
6. Ability to work as part of a team as well as demonstrable evidence of self-organisation, including the ability to meet demanding deadlines and respond creatively and rapidly to new requirements.

***Desirable Criteria:***

1. Demonstrated experience in digital health applications and standard would be advantageous.

**As Australia’s Innovation Catalyst, CSIRO has strategic actions underpinned by behaviours aligned to**:

* Excellent science
* Inclusion, trust & respect
* Health, safety & environment
* Delivery on commitments.

*In your application and at interview you will need to demonstrate alignment with these behaviours.*

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.

**Eligibility**

The successful applicant will be required to obtain and provide a National Police Check or equivalent.

**Flexible Working Arrangements**

We work flexibly at CSIRO, offering a range of options for how, when and where you work. Talk to us about how this role could be flexible for you. [Balance](https://www.csiro.au/en/Careers/The-CSIRO-Experience/Balance)

**Diversity and Inclusion**

We are working hard to recruit diverse people and ensure that all our people feel supported to do their best work and feel empowered to let their ideas flourish. [Diversity and Inclusion Strategy](https://www.csiro.au/en/About/Policies-guidelines/Working-at-CSIRO/Diversity-strategy)

We are committed to the safety and wellbeing of all children and young people.

**About CSIRO**

At [CSIRO](https://www.csiro.au), Australia’s national science agency, we solve the greatest challenges through innovative science and technology.

Join us and start creating tomorrow today!

**How to Apply**

Please apply on-line and provide a cover letter and CV that best demonstrate your motivation and ability to meet the requirements of this role.

**Applications Close**

19 September 20201 11:59 AEST