# Position Details

## Research Projects- CSOF4

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| The following information is for applicants |
| Advertised Job Title | Junior DevOps Engineer – Health Informatics |
| Job Reference | 84822 |
| Tenure | Indefinite |
| Salary Range | AU$87k to AU$98k pa (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 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 or call 1300 984 220. |

### Role Overview

### The Australian e-Health Research Centre (AEHRC) is CSIRO’s national digital health research program. We’re championing the digital delivery of healthcare enabled by ​world-leading digital research and innovation​, industry partnerships, community connections​, and national trust. We’re a dedicated and committed team, passionate about transforming the health of Australians. You’ll find some of our health and biomedical informatics research:

### Delivered through virtual care to monitor health remotely;

### Informing evidence-based digital health solutions; or

### Transforming the efficiency of hospital and health systems – nationally and internationally.

### With over 100 scientists and engineers across Brisbane, Sydney, Melbourne, Canberra and Perth, the AEHRC is Australia’s largest digital health research program.

### The unparalleled demands of COVID-19 have been a catalyst for increased focus on digitisation and innovation in health. CSIRO, via the AEHRC, is leading a national agenda focused on innovation to foster continued transformation and sustainable healthcare delivery practices. We're hiring a number of talented researchers, engineers, leaders and project staff to contribute to this significant objective.

### The role of a DevOps Engineer within CSIRO is to initiate, develop, support and maintain software and infrastructure to maintain CSIRO's research capability for the benefit of Australia's economy, society/community and/or environment through strategic partnerships with industry. The DevOps Engineer will work with CSIRO research scientists and project staff and CSIRO clients to develop, support and maintain software and infrastructure to assist in the delivery of projects.

### The successful candidate will contribute to the evolution of existing software and infrastructure, and 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 assist projects in developing software and solutions to deliver high-impact solutions within the area of integration and analysis of clinical and other health data.
* Maintaining and supporting DevOps toolsets, processes and automation supporting the software development lifecycle.
* 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*

***Essential Criteria:***

1. Tertiary qualifications in a relevant discipline such as Computer Science or equivalent field.
2. Interest in developing digital health applications.
3. Knowledge and experience with Python, Java-based frameworks and libraries such as Spring Boot, Lucene, Apache Spark.
4. Knowledge and experience of public cloud infrastructure, infrastructure as code and containerised deployment through for example Kubernetes.
5. Knowledge of CI/CD pipelines.
6. Knowledge of working in a team environment and participating in an agile software development process.
7. 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.
2. Relevant industry certifications

**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.

**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!