# Position Details

## Research Projects- CSOF6

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| The following information is for applicants |
| Advertised Job Title | DevOps – FHIR Terminology Services |
| Job Reference | 70856 |
| Tenure | Indefinite Full-time  |
| Salary Range | AU$113,338 to AU$132,811 pa (pro-rata for part-time) + up to 15.4% superannuation |
| Location(s) | Herston – RBWH, Brisbane QLD |
| 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/Senior Engineer |
| Client Focus – Internal | 40% |
| Client Focus – External | 60% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Dr Michael Lawley via email at Michael.Lawley@csiro.au or phone 07 3253 3609 |
| 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 role of Research Projects staff in CSIRO is to collaborate in scientific and technological activities with other research staff usually by assisting with detailed planning, undertaking or assisting with experimental, observational or technology development work, and in carrying out the more practical aspects of the work. At senior levels, Research Projects staff may be involved in providing consulting services, science and technology management and/or industry liaison.

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.

The incumbent will contribute to the development and deployment of our Clinical Terminology and Fast Healthcare Interoperability Resources (FHIR) technology across multiple projects undertaken with key stakeholders. The projects will involve development and deployment of cloud-based applications and services to support our research across the Health Informatics group, and the further development and support of our clinical terminology tools. These projects span development and cloud dev ops with Kubernetes and emerging standards such as HL7’s FHIR®.

### Duties and Key Result Areas

* Work with clients and CSIRO researchers and software engineers in developing software and 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.
* Communicate 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, 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 team as well as industry colleagues.
* **Influence and Communication:** Identifies critical stakeholders and influences them via an influential third party, for example through an established network, to gain support for sometimes contentious, proposals / ideas.
* **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:** Anticipates and manages problems in ambiguous situations. Develops and selects an appropriate course of action and provides for contingencies. Evaluates, interprets and integrates complex bodies of information and draws logical conclusions, synthesises proposals and defends options with reasoned arguments.
* **Independence:** Assesses the risk and opportunity of identified strategies, options and actions. Overcomes problems and setbacks in achieving goals. Invariably includes consideration of value-added future impact on bottom line when determining the optimal and efficient use of resources.
* **Adaptability:**Demonstrates flexibility in thinking and adapts to and manages the increasing rate of organisational change by adjusting strategies, goals and priorities.

## **Selection Criteria**

#### Essential

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

1. Knowledge and skills gained through tertiary qualifications or equivalent in a relevant discipline such as Computer Science or equivalent field.
2. Significant experience in delivering and operating production systems for clients.
3. Experience in testing, deploying, scaling, monitoring and operating modern cloud-based services with RESTful APIs.
4. Experience with container-based deployment using Kubernetes or equivalent on cloud-based hosting services such as AWS and Azure.
5. Demonstrated programming skills with experience of multiple languages and platforms (e.g., JavaScript, Java, Python).
6. Experience applying agile development practices across the full software development life cycle (requirements gathering, software design, programming, testing and documentation).
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.
8. An understanding of health data, how it is used, and relevant standards such as FHIR, SNOMED CT and LOINC.

## **Desirable**

1. An understanding of and experience with serverless architectures.
2. Experience with developing web-based services and RESTful APIs and an interest in contemporary computer science topics such as functional programming (e.g. Haskell), Big Data, Information Retrieval, and modern AI/ML technologies.

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.

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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

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