# Position Details

## Research Projects- CSOF4

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| The following information is for applicants | |
| Advertised Job Title | Research Projects Officer: Database Developer and Software Support |
| Job Reference | 100541 |
| Tenure | Indefinite  Full-time, Part-time or Job-share may be considered |
| Salary Range | AU$96,811 - AU$109,527 per annum (pro-rata for part-time)  plus up to 15.4% superannuation |
| Location(s) | Clayton – flexible working arrangements are available including “work from home” and hybrid |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | * Australian Citizens Only * Australian/New Zealand Citizens and Australian Permanent Residents * All Candidates |
| Position reports to the | Team Leader – Regulatory Tools |
| Client Focus – Internal | 60% |
| Client Focus – External | 40% |
| Number of Direct Reports | 1 |
| Enquire about this job | Contact Brad Lane via email at brad.lane@csiro.au or phone  +61 3 9545 2259 |
| 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. |

**Acknowledgement of Country**

CSIRO acknowledges the Traditional Owners of the land, sea and waters, of the areas that we live and work on across Australia. We acknowledge their continuing connection to their culture and pay our respects to their Elders past and present. View our [vision towards reconciliation](https://www.csiro.au/en/about/Indigenous-engagement/Reconciliation-Action-Plan).

**Child Safety**

CSIRO is committed to the safety and wellbeing of all children and young people involved in our activities and programs. View our [Child Safe Policy](https://www.csiro.au/en/about/policies/child-safe-policy).

### 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.

**Role Details**

CSIRO is looking for an early career database developer or software engineer with a passion for good database design and enthusiasm for contributing to Australia’s residential energy efficiency. Based at the CSIRO site at Clayton, Victoria, you will be part of Energy’s Regulatory Tools Team and will play a key role in building and maintaining our database systems while also providing technical support to clients who utilise our software systems.

More specifically, you will be working with an established team of software engineers, research scientists and building physics specialists who design, build and deliver technologies and tools that model energy consumption and create outstanding user experiences. The team is currently focused on developing the next generation of cloud-based solutions with industry stakeholder NatHERS (National House Energy Rating Scheme).

This is a dual role position that will be approximately sixty percent database and software related work and forty percent support. As part of the team, you will be required to continue to develop and optimise our existing SQL Databases while also providing external support to clients for our new cloud-based systems. The support component will include managing requests through our support framework, as well as providing technical support to clients on the use of our software and APIs.

### Duties and Key Result Areas

* Work in a team of software engineers and research scientists on developing the next generation of cloud-based solutions. In particular:
  + AccuRate Enterprise
  + HStar Portal
  + AHD (Australian Housing Database)
* Work with stakeholders to understand system requirements; develop, maintain and test database systems and software solutions.
* Liaise with clients to support their technical needs and take personal responsibility for following up on reported issues.
* Follow CSIRO and government policy regarding the access of personal or other sensitive information, whether of CSIRO staff and affiliates, or members of the public.
* Appropriately manage access to commercial sensitive information of CSIRO and/or research or industry partners.
* Address problems promptly and in a constructive manner.
* 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, research team to carry out tasks in support of CSIRO’s scientific objectives.
* Adhere to the spirit and practice of CSIRO’s Values, Code of Conduct, Health, Safety and Environment procedures and policy and diversity initiatives.
* Other duties as directed.

## **Selection Criteria**

#### Essential

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

1. Relevant bachelor’s degree or equivalent relevant work experience in database development or software engineering
2. Recent work experience with the following:

* Microsoft SQL Server
  + Database Design
  + SQL Queries
  + Views and Stored Procedures
  + Indexes and Query Optimisation
* Microsoft .NET
  + API Development
  + Schemas (XML and JSON)
* C# Programming Language
* Azure Services

1. Experience at providing technical support

## **Desirable**

1. Recent work experience with the following

* ASP.NET or .NET Core
* React
* MVC Framework
* HTML
* JavaScript
* Dapper
* Understanding of TDD (Test Driven Development) methodologies

1. Experience working for an Australian Government organisation

## **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.

Special Requirements

Appointment to this role is subject to provision of a pre-employment background check and may be subject to other security/medical/character clearance requirements.

* The successful candidate will undertake a pre-employment background check. Please note that individuals with criminal records are not automatically deemed ineligible. Each application will be considered on its merits.
* If the successful candidate is not an Australian Citizen or Permanent Resident, they 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 solve the greatest challenges through innovative science and technology. Visit [CSIRO Online](http://www.csiro.au/) for more information.

CSIRO is a values-based organisation.  In your application and at interview you will need to demonstrate behaviours aligned to our values of:

* People First
* Further Together
* Making it Real
* Trusted