



Australian
Centre for
Disease
Control

Job Application Kit

APS6

Data Engineer, Digital Solutions Section

Data, Evidence and Analysis Branch

Reference: 26CDC-DEAB-10053

Job reference number: 26CDC-DEAB-10053

Classification level: APS6

Job title: Data Engineer

Group/Division/Branch/Section: Australian Centre for Disease Control (CDC), Data, Evidence and Analysis Branch, Digital Solutions Section.

Employment type: Non-ongoing – 12 months with possibility of extension

Salary: \$101,679 to 114,709

Base location: Woden ACT; Sydney, NSW; Melbourne, VIC; Adelaide, SA; Brisbane, QLD

Security clearance requirements: Baseline

Contact officer: Mohammad

About the Australian Centre for Disease Control

The Australian Centre for Disease Control (CDC) is at the frontline of improving Australia's ability to prepare for and respond to public health challenges, including pandemics. The Australian CDC is an independent technical advisory agency on public health matters and a leader in disease control, preparedness, response and prevention.

We bring together experts, data and evidence to provide independent public health advice to government. Our advice informs government decisions about preventing and controlling diseases and preparing Australia for future health threats. The CDC collaborates with national and international health bodies to strengthen Australia's public health infrastructure.

For more information on what we do, visit our website: [Australian Centre for Disease Control](#).

Working with us

The Australian CDC is a dynamic place to work, offering professional growth and flexible and competitive employment conditions. Our workspaces and our culture reflect a modern, flexible and safe work environment, empowering our people to deliver their best work. We value diversity and embrace inclusion.

A job with the CDC offers:

- exciting and fulfilling work, collaborating with experts to innovate and contribute to safeguarding Australia from human diseases and public health threats
- networking opportunities with experienced leaders who support you to achieve your career ambitions

- a respectful, inclusive and safe workplace where you are supported to perform at your best
- an attractive remuneration package including generous employer superannuation contributions and allowances
- support for mutually beneficial flexible work arrangements, such as part time work, or working from home or remotely, where operational requirements allow
- modern, activity-based offices and a digitally enabled work environment to enhance communication, collaboration and innovation.

About the Digital Solutions section

The Digital Solutions Section leads the CDC's digital strategy, managing critical national surveillance systems such as the National Notifiable Disease Surveillance System (NNDSS) and driving the development of future capabilities under the National Public Health Surveillance System (NPHSS). We ensure the CDC has reliable, high-quality data and modern digital tools that support timely public health decision-making and national preparedness.

We work closely with ICT partners within the CDC and other stakeholders to design, build and enhance user centred data collection, processing and analytics for the NPHSS. This includes leading the architecture, development and testing of core digital and data components, and introducing modern data approaches—such as ontology-driven and knowledge-graph-based design—to improve integration, interoperability and long-term system sustainability.

Through effective governance, technical assurance and stewardship of major digital investments, the section ensures national surveillance systems, remain resilient, scalable and aligned with whole of government directions. Together, these functions provide the digital foundations needed for a future ready public health system.

The opportunity

We are seeking a proactive APS6 Data Engineer to help designing and building of modern data architecture and pipelines, and maintenance of existing data system that power national public health surveillance. You will:

- Plan, build and implement future state surveillance data architecture, including automated, reliable pipelines and tools across ingestion, transformation, lineage and monitoring, underpinned by ontology/knowledge graph (KRR) approaches for NPHSS
- Plan, design and build data quality validation and standardisation (metadata, validation rules, schema management) mechanisms in alignment with Australian national and CDC policies and standards, mechanisms and resolve data defects/issues promptly.
- Drive semantic interoperability and scalable integration through the application of ontology and knowledge graph techniques within the emerging NPHSS.

- Support managing BAU NNDSS operations, including end to end data management, quality assurance, standards compliance and timely operational/executive reporting.
- Collaborate and clearly communicate with internal and external stakeholders (data stewards, analysts, jurisdictions) to understand requirements and ensure solutions are fit for purpose.
- Contribute to section priorities as required, providing flexible support to meet operational needs and emerging public health demands.

Key capabilities

To succeed in this role, you will demonstrate:

- Strong data engineering proficiency (e.g., SQL/Python/R, ETL/ELT/orchestration, source control, testing/CI, observability).
- Applied data modelling and quality discipline, including metadata, lineage and standards based delivery.
- Sound understanding of semantic design concepts (e.g., ontology/knowledge graph patterns) and how to enable interoperability in pipelines.
- Clear, practical communication, translating requirements into technical tasks and documenting solutions for maintainability.
- Delivery focus and collaboration, managing competing priorities, working iteratively, and partnering effectively with multidisciplinary teams.
- Sound experience and capability in robust data governance in the same or a similar context.

Security clearance

The successful candidate must be able to obtain and maintain a Baseline security clearance.

Application response (single page application)

Your expression of interest will be assessed on your ability to demonstrate that you possess the required skills, knowledge, experience and qualifications to perform the role. These requirements are based on the information provided to you as part of the job advertisement, in line with the [APS Work Level Standards](#).

Application response (single page application)

Your application will be assessed on your ability to demonstrate that you possess, or have the real potential to develop, the required skills, knowledge, experience and qualifications to perform the role. These requirements are based on the information provided to you as part of the job advertisement, in line with the [APS Work Level Standards](#).

Applicants are required to provide a statement of claims framed around the key duties and key capabilities. **Your statement of claims should be no more than one page in total with a font no smaller than size 10. Applications that do not meet these requirements may not be considered.**

RecruitAbility minimum requirements

Minimum requirements for this role are:

- Strong data engineering proficiency (e.g., SQL/Python/R, ETL/ELT/orchestration, source control, testing/CI, observability).
- Applied data modelling and quality discipline, including metadata, lineage and standards based delivery.
- Sound understanding of semantic design concepts (e.g., ontology/knowledge graph patterns) and how to enable interoperability in pipelines.

RecruitAbility is a scheme which aims to attract applicants with disability and create an equitable, level playing field. All vacancies for the Australian CDC are advertised under the RecruitAbility Scheme.

Applicants with a disability are advanced to a further stage in the selection process if they:

- opt into the scheme
- declare they have disability, and
- meet the minimum requirements of a vacancy advertised under the scheme

Candidates who opt into RecruitAbility are not required to provide specific details of their disability to the panel. More information on RecruitAbility can be found here: [RecruitAbility scheme: A guide for applicants](#).

Eligibility

It is a requirement for anyone who is employed by the CDC to be an Australian citizen.

The successful candidate will be assessed through our pre-employment screening checks, such as an Australian Criminal History Check.

How to apply

Apply by 11:30 pm AEST on Wednesday, 20 May 2026

As part of your application, you will need to provide:

- A 'one page pitch' - this statement of claims addressing the key duties and key capabilities is your chance to tell us why you are the right person for the job and what you will bring to the role. We want to know why you want to work at the Australian CDC, why you are interested in the role, how you can add value, and how your skills and experience apply.
- You will also need to email your resume of no more than 4 pages, including the contact details of at least 2 nominated referees to jobs@cdc.gov.au to complete your application.

Who to contact

If you experience any difficulties accessing or submitting your application, please contact our Recruitment team via jobs@cdc.gov.au.

Indicative timeline for recruitment*

Applications open	Date Thursday, 7 May 2026
Applications close	Date Wednesday, 20 May 2026
Application shortlisting	TBC
Interviews	TBC

Work environment description

Responsibilities – As detailed in Section 28 of the *Work Health and Safety Act 2011* while at work, a worker must:

- Take reasonable care for his or her own health and safety
- Take reasonable care that his or her acts or omissions do not adversely affect the health and safety of other persons
- Comply, so far as the worker is reasonably able, with any reasonable instruction that is given by the person conducting the business or undertaking to allow the person to comply with this Act
- Cooperate with any reasonable policy or procedure of the person conducting the business or undertaking relating to health or safety at the workplace that has been notified to workers
- Complete all WHS related induction and training
- Report all work related incidents and/or illnesses to the WHS Section.

Description	Requirement	Additional information
Administrative		
1. Computer Use	Y	
2. Generic screen based	Y	
3. Sitting at desk	Y	
4. Standing for long periods	N	
Manual handling		
5. Lifting 0-15kg	N	
6. Lifting 15 kg +	N	
7. Climbing	N	
8. Bending	N	

Description	Requirement	Additional information
9. Squatting	N	
10. Reaching	N	
11. Push/pull	N	
12. Sequential repetitive movements in short period of time	N	
13. Manual dexterity/manipulation	N	

Description	Requirement	Additional information
Work environment		
14. Work with others towards shared goals in a team environment	Y	
15. Works in isolation from other staff	Y	
16. Distance walking (i.e. large building or inter-building transit)	N	
17. Works outdoors	N	
18. Works in a call centre environment	N	
19. Works in a customer service environment	N	
Tasks involving		
20. Exposure to chemicals	N	
21. Exposure to biological hazards	N	
22. Working at heights	N	
23. Requirement to wear Personal Protective Equipment (PPE)	N	
24. Requirement for full colour vision	N	
25. Work with energetics and explosives	N	
26. Exposure to petrol, oil, lubricant products that may cause dermatological conditions	N	
27. Exposure to extreme temperatures	N	
28. Confined spaces	N	
29. Exposure to non-ionising radiation	N	
30. Excessive noise	N	
31. Low lighting	N	

Description	Requirement	Additional information
32. Dangerous goods/ equipment	N	
33. Exposure to airborne odours	N	
34. Frequent travel - Vehicle	N	
36. Frequent travel - Seaborne	N	
Cyclic workload		
37. Peaks & troughs	N	
38. Frequent overtime	N	
39. Rostered shift work	N	