

Selection Documentation

2021 Technologist Campaign

Data Engineer

Levels 4-6

ASIS is Australia's overseas secret intelligence collection agency. Its mission is to protect and promote Australia's vital interests through the provision of intelligence services as directed by the Australian Government. Its work can involve collecting intelligence relating to national security, international relations and economic issues. It also contributes to Australia's coordinated national efforts against terrorism, proliferation of weapons of mass destruction, and trans-national issues such as people smuggling.

ASIS employs people in a wide range of roles, including technologists in the fields of engineering (infrastructure, electronic, systems), data science and data engineering, cyber specialists, solution architecture, database administrators, IT support, network specialist, software development, project management / project support, procurement and business analysis. These roles require dynamic team players who enjoy working with stakeholders, team members and individually on projects. ASIS is looking for technologists who will be able to meet tight deadlines and work to support ASIS priorities. Successful candidates will have excellent coordination and administration skills, excellent verbal and written communication skills; and, strong stakeholder engagement and influencing skills. Relevant tertiary qualifications will be highly regarded.

ASIS values workplace diversity and is committed to providing a supportive inclusive and respectful work environment. We encourage applications from Aboriginal and Torres Strait Islander People, women, people with disabilities, people that identify as LGBTIQ+ and people from culturally and linguistically diverse backgrounds.

These positions are Canberra based, with conditions of service similar to those in the Australian Public Service, including superannuation. The successful candidate will be required to obtain and maintain the highest level security clearance and Australian citizenship.

In addition to current vacancies, successful applicants through this process will be placed in a merit pool which may be utilised to fill future vacancies over the next 12 months.

Role:

ASIS is looking for Data Engineers with a passion for using advanced technology and data to deliver high impact outcomes. Data Engineers work with business areas to analyse and understand key business processes that rely on data. They use large scale, cutting edge, technology to solve varied data-centric problems over a variety of unique problem spaces. Key areas of responsibility include: integrating data from collection assets across the intelligence community into analytic systems; addressing real big data challenges while working with structured, unstructured, and semi-structured data; the development of sustainable, bespoke high performance computer platforms that deliver intuitive user experiences. Data Engineers also support Data Science teams in the design, development and integration of modern data mining, search and machine learning capabilities.

Core Skills / Education, qualification and experience requirements

- Demonstrated experience in development experience in a modern programming language.
- Awareness of the trade-offs between different system architectures, database technologies, programming languages, etc.
- Knowledge of a range of data structures, algorithms and operating systems.
- Experience in big data technologies and ETL pipelines is preferred but not required.
- Experience developing modern user interfaces and an understanding of the importance of user experience is highly advantageous.
- Experience in the administration of high power computing and network infrastructure will be highly regarded.
- Formal education in computer science, engineering, mathematics, physics or similar quantitative discipline is desirable.

Capabilities:

Candidates are not required to provide a separate written response to the ILS capabilities (below); however, candidates are encouraged to consider the capabilities in preparing their application, as each candidate will be assessed on their ability to demonstrate behaviours aligned to the capabilities for the position. For more information on the ILS, tips on applying for jobs in the Public Service, go to the APSC website found at www.apsc.gov.au.

1. Supports strategic direction	2. Achieves results	3. Supports productive working relationships	4. Displays personal drive and integrity	5. Communicates with influence
*Supports shared purpose and direction *Thinks strategically *Harnesses information and opportunities *Shows judgement, intelligence and common sense	*Identifies and uses resources wisely *Applies and builds professional expertise *Responds positively to change *Takes responsibility for managing work projects to achieve results.	*Nurtures internal and external relationships *Listens to, understands and recognises the needs of others *Values individual differences and diversity *Shares learning and supports others	*Demonstrates public service professionalism and probity *Engages with risk and shows personal courage *Commits to action *Promotes and adopts a positive and balanced approach to work *Demonstrates self-awareness and a commitment to personal development	*Communicates clearly *Listens, understands and adapts to audience *Negotiates confidently

Applicant Instructions:

To APPLY, please submit an application ONLINE via the website.

Candidates are required to provide a comprehensive resume detailing their work history and provide responses to the following questions:

1. Please indicate the level you are applying for. Level 4 / Level 5 / Level 6
2. Please advise if you wish to be considered for other levels than applied for: Yes / No
3. You will be required to submit a maximum 800 word pitch outlining your skills and experience for the role.

APPLICATIONS CLOSE: Please refer to the website for closing date.

What Happens Next?

Please do not tell anyone about your application with our organisation at this stage of the process as doing so may harm your suitability for employment with us.

You may be contacted via SMS regarding the next stage of the process.

A merit list will be established for candidates who are suitable and will remain valid for a period of 12 months.

We thank you for the time and effort you have put into your application; however, we are unfortunately unable to provide feedback to unsuccessful candidates.