Government of Western Australia
Department of **Water and Environmental Regulation**

Job Description Form

Data Engineer

Position Number:	101817	Portfolio:	Climate and Sustainability
Classification:	Level 5	Reports to:	Manager Science Data
Location:	Joondalup	Direct Reports:	Nil

Description

The Science Data Branch is responsible for the efficient and effective management and delivery of the department's water science data sets. The Branch stores, manages, and provides water data ensuring that the Department is recognised as a reliable source of water information and data of a known quality.

This is a specialist technical role which requires expertise in the development of tools and data pipelines to pull together information from different source systems for the capture, management, and provision of science data. The position collaborates closely with both internal and external data users.

Responsibilities

In context of above description, the role:

- Develop new, and streamline existing, complex water science data products and workflows for internal and external data users, using a variety of tools while following established quality assurance principles, standards, and guidelines.
- Delivering and supporting a culture of continuous improvement.
- Research and compile information to enhance data management practices and projects.
- Analyse, interpret, and communicate complex water science data requirements.
- Offer technical expertise and guidance in science data management to address issues, improve data systems, and assist with new process development.
- Coordinate projects and programs, liaising with teams and consultants to achieve successful outcomes.
- Consult and negotiate with clients to clarify and address issues.
- Building, maintaining and nurturing stakeholder relationships.
- Engage in development activities to increase knowledge in relevant areas.
- Applying the guidelines and principles of the Western Australian Public Sector Code of Ethics and the Department's Code of Conduct within a framework of high ethical standards and behaviour.
- Performing duties in accordance with departmental policies, procedures and relevant public sector legislation.
- Applying relevant safety procedures/guidelines and equal opportunity principles to work performance.
- Additional duties as required within the skill and scope of position capabilities and departmental needs.

Our people, our leaders, our values

At DWER, every employee is a leader. To support this, we have established clear Leadership Expectations. For this role, you will be a Personal Leader. Demonstrating the expected behaviours is crucial and aligned with the role's requirements.

Our culture is shaped by our values. All employees are expected to uphold equity, diversity and inclusion, work health and safety, and ethical principles in all aspects of their work. This includes demonstrating cultural responsiveness by valuing diverse perspectives and contributing to culturally safe, inclusive, and trusted services – particularly for Aboriginal people and communities.

We serve to make a difference | We build trust | We care | Open minds | Better together

Work Related Requirements

Read these requirements in context of the above contents.

1. You have experience and/or knowledge in analysing, designing, developing, and implementing information systems, applying modern technologies such as Microsoft Power Platform (Power Apps, Power Automate, Power BI), Azure services (Functions, Runbooks, Logic Apps), or Microsoft Fabric to improve digital capability and support business needs *(you deliver on high-leverage areas)*.
2. You have knowledge and experience providing technical support for data management systems, ensuring system reliability, data accessibility, and effective troubleshooting to maintain high-quality operational performance *(you deliver on high-leverage areas)*.
3. You have well-developed conceptual and analytical skills, enabling you to research issues, interpret information, and develop practical and innovative solutions to data management challenges *(you think through complexity)*.
4. You have developed organisational, interpersonal, and negotiation skills that allow you to work independently or as part of a team, contribute positively to group outcomes, influence stakeholders, and meet agreed objectives *(you lead collectively)*.
5. You have developed communication skills, with the ability to present clear technical information, provide informed advice, and liaise effectively with stakeholders to support shared understanding and successful project outcomes *(you lead collectively)*.

Desirable

- Tertiary qualifications, or progression towards such qualifications, in information science or related area.
- Relevant Microsoft certifications such as Power Platform Developer Associate or Microsoft Certified: Azure Developer Associate.

Special Requirements

- The department will conduct a national police check before offering employment.