

Role Name: Senior Data Engineer

Role data

Position no.	E12084	Work Area Profile	Information and Decision Enablement
Work Level Classification	Level 7	Directorate/Business Unit	Strategy and Policy
Reports to (role)	Manager Data Engineering	Location	Melbourne
No. direct reports	0	No. of indirect reports	0
Version date	March 2021	Tenure	Ongoing

Work Area Profile

Information and Decision Enablement Services plays its part by providing easy access to organised and reliable sources of data ensuring the right information is used when making decisions. We do this by overseeing and managing five prime services including data engineering; business intelligence and reporting; records and information management; data exchange, and data governance.

We are responsible to ensure that our service offering meets the needs of our stakeholders; we keep abreast of industry and professional developments; communicate clearly to our stakeholders; and that we seek to continually improve our service offering and performance.

Role purpose

The **Senior Data Engineer** owns and is responsible for all aspects of data solution delivery life cycle, including business engagement, analysis, estimation and prioritization, design, development, testing, production deployment and ongoing support. The role provides technical leadership to other team members and must ensure delivered outcomes align with AHPRA's business architecture. A person in this role must be an excellent communicator who is capable of effectively presenting technical concepts to technical and non-technical/business stakeholders. In addition, this role must be actively providing inputs and directions for the strategic data platform changes, so that it can support the current and new products with the minimal change and investment required.

Key Accountabilities

- Technical lead for delivery of the new projects aligned with the new target cloud architecture within Azure data cloud service
- Provide technical inputs into the strategic decisions and directions for the Enterprise Data platform development
- Lead the development of the best practices for the Enterprise Data and Analytics platform, leveraging next generation Azure technologies
- Implement data platform enhancements so that it solves new and existing data requirements easier and more cost effectively by identifying, sourcing, and integrating new data into the data platform while fully aligned with established standards and best practices
- Lead the engagement with stakeholders and advocate for new data solutions that meet the need while complying with established standards and best practices

- Work closely and support Ahpra Business Intelligence and Data Science teams by implementing enterprise grade data pipelines and solutions. Promote and educate about the role of Data Engineering for supporting those functions in an enterprise environment.
- Advocate, articulate and effectively present technical concepts to business and IT
- Perform end to end data analysis and modelling (Data Vault, Star Schema) for design, implementation and enhancements of the data warehousing, business intelligence and data science solutions
- Define, build, test and document new and modified data models and ETL pipelines to create robust and scalable data assets for reporting and analytics to enable faster, better, data-informed decision-making within the business
- Create implementation plans and manage platform changes using the agile approach
- Organize the work, split into sprints/iterations and work alongside the available resources to deliver as per defined implementation plan and timeframes
- Perform quality assurance testing, prepare and facilitate user acceptance testing (UAT) sessions with stakeholders
- Lead and upskill other team members to successfully perform their job within the cloud data platform
- Own DevOps CI/CD pipelines for management of production releases
- Own implementation and enhancement of the code standards and guidelines for the data engineering team

Capabilities for the role

The Ahpra [Capability Framework](#) applies to all Ahpra employees. Below is the complete list of capabilities and proficiency level required for this position.

Values	Capabilities	Proficiency level
Service	Commits to customer service	Advanced
	Displays leadership	Intermediate
	Generates and delivers the strategic vision	Intermediate
	Demonstrates an awareness of the National Registration and Accreditation Scheme (the National Scheme) and the National Law	Intermediate
Collaboration	Builds constructive working relationships	Advanced
	Communicates effectively	Advanced
Achievement	Demonstrates accountability in delivering results	Advanced

	Uses information and technology systems	Highly Advanced
	Displays personal drive and integrity	Advanced

Qualifications/Experience	Required
Qualifications	<p>Minimum 5 years of working in a data role with 3+ years in a similar role</p> <p>Azure certification is highly desired (DP stream in particular)</p> <p>Data Vault and/or Kimball Star Schema certification is highly desired</p>
Experience	<p>Passionate about learning with the focus on new data tools and best practices</p> <p>Practical experience in providing oversight and support to a team of data engineers during the implementation of the technical solutions.</p> <p>Deep practical experience in data analysis and modelling (with the focus on Data Vault and Star Schema) for design and implementation of the data warehousing and business intelligence solutions</p> <p>Deep practical experience in building and designing solutions across on-prem and cloud environments using Microsoft technologies</p> <p>Deep hands-on experience in Azure data platform technologies: Azure SQL/Managed Instance, Azure Data Factory, Azure Data Lake, Azure Key Vault, Azure DevOps, Azure Analysis Services/Tabular/DAX, Databricks (intermediate)</p> <p>Solid practical knowledge in building, maintaining and coordinating an automated build/release from Development to Production through CI/CD stack in Azure DevOps (everything as code)</p> <p>Advanced SQL knowledge with solid understanding of underlying SQL Server technology and best practice</p> <p>Solid understanding of Data Science concepts and able to perform feature engineering to support the data science function within the organisation</p> <p>Practical knowledge working in Agile teams with ability to lead a team and work independently</p> <p>Advanced communication skills with ability to efficiently articulate and present technical concepts to business and IT is essential</p> <p>Experience with Erwin is desired</p> <p>Experience with Power BI or similar tool is desired</p>

Key relationships

Internal Relationships	External Relationships
National Directors (Regulatory Operations, Strategy & Policy, Communications, Finance)	Data/ IT Teams with co-regulators

and Procurement, Information Technology, People and Culture)	
Program Managers	
Information and Decision Enablement teams	
IT, including BAs, testers, developers	
Professional Services	