



Insurance Commission of Western Australia

Title	Senior Data Engineer	Classification	Level 7
Number	Generic	Group	Corporate Support
Reports to	Business Intelligence & Analytics Manager	Division	Transformation Management Office
Supervises	0	Branch	Enterprise Data Governance

Commission Overview

The Insurance Commission of Western Australia (Insurance Commission) is a Government Trading Enterprise that provides motor injury insurance to Western Australian motorists and manages the self-insurance arrangements of the Western Australian Government through its Government Insurance division. The Insurance Commission also invests and manages funds to meet insurance liabilities, and advises Government on insurance.

Our Values

We are committed to a high performance culture which values accountability, professional integrity and respect.

Business Unit Overview

The Transformation business unit provides strategic leadership in organisational transformation and associated change management initiatives, and data strategy.

Position Overview

Provides high-level technical leadership and authoritative advice to ensure the stability, performance and ongoing uplift of the organisation's data platforms and pipelines. The role is accountable for maintaining continuity of critical reporting, analytics and statutory data obligations while guiding the controlled transition toward the organisation's target modern data architecture.

The position operates with significant autonomy, resolving complex data engineering issues, shaping technical solutions, and informing architectural decisions. It plays a key leadership role in uplifting engineering capability, reducing technical debt, and improving data quality and operational resilience across the analytics environment.

Position Responsibilities

- Provides senior-level technical leadership and contributes to capability uplift and operational resilience across the data engineering and analytics functions, ensuring critical reporting, analytics and statutory obligations are continuously supported during periods of transition and change.
- Lead complex issue resolution, triage and root-cause analysis across legacy and modern data environments, ensuring continuity of business operations.
- Act as a key technical authority on legacy datasets, transformations and business logic to inform migration planning, sequencing and risk mitigation.
- Support migration and reconciliation activities by undertaking rigorous analysis of complex datasets to validate accuracy, performance and readiness.
- Shape and influence data engineering approaches, transition activities and technical design to ensure alignment with the organisation's target modern data architecture.
- Translate business and operational reporting needs into sustainable, high-quality technical specifications and enhancements.
- Design, maintain and optimise data integration patterns and pipelines to support critical workloads, and align with approved architectural transition plans.
- Lead incremental uplift and simplification initiatives that reduce technical debt and operational risk.
- Drive improvements to engineering standards, practices and patterns to strengthen platform resilience and support future-state adoption.
- Collaborate with engineers, analysts and BI developers to implement BAU enhancements, fixes and uplift activities within legacy platforms, ensuring solutions align with architectural standards and operational constraints.
- Provide technical guidance, coaching and quality oversight to build capability across data engineering and analytics teams.
- Support the uplift of data governance, data quality and metadata management practices across the organisation.
- Contribute to comprehensive documentation of dataset logic, lineage, assumptions, dependencies and known limitations to improve transparency and migration readiness.
- Contribute to continuous improvement and innovation and provide and quality customer service.
- Contribute to a positive work environment that reflects the values of the Insurance Commission

Corporate Responsibilities

- Exhibits accountability, professional integrity and respect consistent with the Insurance Commission's Values and Code of Conduct, and the public sector Code of Ethics.
 - Ensures all correspondence is to a professional standard consistent with the style guide.
 - Performs other duties as directed.
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Work Related Requirements

In addition to having relevant tertiary qualification or equivalent industry experience, have the capability to:

1. Deliver expert technical guidance across data engineering and analytics initiatives, contributing to solution design, delivery quality, capability uplift and the effective translation of technical concepts into clear, actionable information for stakeholders.
 2. Use high-level skills in data modelling, architecture, integration, SQL and contemporary ETL/ELT practices to design, maintain and optimise datasets, pipelines and analytics environments.
 3. Maintain the accuracy, performance and fitness-for-purpose of BAU datasets and data pipelines, resolving complex issues and ensuring continuity of reporting, analytics and operational outcomes.
 4. Understand and articulate legacy transformation logic and embedded business rules, supporting data migration, reconciliation and risk mitigation with accuracy and sound judgement.
 5. Engage productively with internal and external stakeholders, communicating complex technical concepts clearly and working collaboratively across teams to achieve shared business and technical outcomes.
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Pre-employment requirements

- A satisfactory National Police Clearance no more than six months old
 - 100 point identity check
 - Satisfactory evidence of Australian residency status or the right to work in Australia
 - Satisfactory evidence of essential qualifications or Professional Memberships (where applicable)
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Award/Agreement

Government Officers (Insurance Commission of Western Australia) Award 1987
Government Officers (Insurance Commission of Western Australia) General Agreement 2024

Certification

Approved by the delegated authority and registered on:

12 March 2026