

# Role Overview

## Senior Technical Data Analyst



Regional  
NSW

Role Description Fields	Details
Cluster	Regional NSW
Department/Agency	Department of Regional NSW
Division/Branch/Unit	Local Land Services/ Finance Technology
Classification/Grade/Band	LLS Clerk Grade 8
Senior executive work level standards	Not Applicable
ANZSCO Code	261311
PCAT Code	1119192
Date of Approval	06 September 2023
Agency Website	<a href="http://www.regional.nsw.gov.au">www.regional.nsw.gov.au</a>

The Senior Technical Data Analyst is responsible for leading the continuous development, maintenance and implementation of resources required by the LLS business for data integration operations, such as data transfers between critical LLS information systems including: MyLLS, BERT, IRIS, LLS Reporting Data Warehouse (RDW), GIS systems (e.g., LLS LANDMAP) and financial systems (e.g. SAP/MyWorkZone). This may involve leading the development, maintenance and implementation of Microsoft Azure Data Factory, Fabric, Synapse Analytics and Databricks solutions, as well as managing relevant data infrastructure, such as data bases and storage resources. Knowledge of DRNSW/DPE networking and information systems architectures is required due to the requirement of connectivity of between several LLS, DRNSW and other NSW Government agency/departmental systems as well as with externally hosted systems.

Further, the role is responsible for managing the LLS Reporting Data Warehouse (RDW), a system which captures and transforms data from across the LLS business enabling it to be utilised in reporting and analytics solutions. The RDW is depended on by a number of Microsoft Power BI reporting artefacts, as well as automated Python and R jobs (executed in Microsoft Azure Synapse, Fabric or Databricks) converting business operations and financial data into actionable insights for LLS decision makers, as well as enabling the LLS business to adhere to legislated reporting requirements. Management of the RDW includes tasks such as: administration of Microsoft Power BI workspaces and reports, management of Microsoft Power BI CI/CD processes, administration of RDW Azure resources (including Azure Data Lake Storage/ADLS, Data Factory, Key Vault, Databricks, Synapse and Fabric), management of integration pipelines between the RDW and other NSW Government agency/departmental systems and management of data governance and cyber security considerations in relation to the system.

The role is also expected to act as an intermediary between LLS and DRNSW/DPE Digital Information Office (DIO) for the provision and administration of resources depended on by LLS to enable data integration and the operation of the RDW. This may include submitting and progressing projects through the DIO pipeline, including the preparation of solution design documentation and participation in Enterprise Architecture Governance Board engagements as well as consulting SMEs across NSW Government. The role may include the need to perform data systems architecture design. The role is also expected to regularly engage and consult with stakeholders, including DPE Data Analytics, DRNSW/DPE cyber security, DPE networking and cloud systems, DPE database administrators and external vendor data specialists and developers.

Finally, the role may manage up to 3 data analysts or programmers - including both ongoing and/or contingent/contracted personnel. This requires the Senior Technical Data Analyst to be proficient in several data analytics focused programming languages, such as Python, R and SQL in order to perform review of developed solutions - as well managing a CI/CD solution such as Microsoft Azure DevOps or Git.