Position Description

Position title:	Data Architect	Date:	July 2024
Reports to:	Head of Data & Analytics	Department:	Digital Services
Number of reports:	Direct: Total (include indirect):	Location:	Auckland
Delegated financial authority:	NA	Budget ownership:	No
Level of influence:	**Leading self**		

Our Organisation

At Southern Cross Healthcare, our vision is to help people live their best lives by reimagining healthcare.

Across our nationwide network, we combine the skills of more than 4,000 people including nurses and anaesthetic technicians, working with specialists, surgeons, anaesthetists, and allied health practitioners.

As New Zealand's largest private provider of healthcare, our strong "for purpose ethos" and through being recognised as one of New Zealand's leading and most trusted brands, we are poised to amplify the delivery of healthcare services like no other.

Vision	Purpose
Our vision is for what we aspire.	Our purpose is why we exist.
To help people live their best lives by reimagining healthcare.	**To advance the provision of quality healthcare in Aotearoa New Zealand.**

Values and Behaviours

Teamwork: We will work together because we know that a strong team will always outperform strong individuals.

Responsibility: We will take ownership and pride in our work. We will act with integrity and be accountable for our behaviour.

Respect: We will act fairly in a culture of mutual trust and respect.

Aspiration: We will aspire to be the best we can be. We will recognise and celebrate success.

Role Purpose

The Data Architect is responsible for developing and maintaining the overall data architecture strategy, ensuring alignment with business objectives, the Data Strategy, and wider Digital Services initiatives.

Through the implementation of recognised data management frameworks and standards the role will ensure that data is of high quality, and is managed, stored, and accessed securely, aligning with SCH's strategic goals and compliance requirements. The Data Architect acts as the 2IC for the Head of Data & Analytics and will have a strong technical leadership focus on our Advanced Analytics (ML/AI) programme of work over the coming years.

Key Relationships

Internal

- Head of D&A and team – your boss and team colleagues.
- D&A team customers & stakeholders – your customers & stakeholders.
- Digital Services Leadership Team (inc Head of Architecture) – other IT systems integration.
- Functional leaders across National Support Office – build and maintain excellent working relationships with key stakeholders.
- Chief Medical Officer – data privacy and clinical governance compliance.
- Head of Cyber Security – ensure vendors, technologies and data management practices comply with cyber security requirements.

External

- Specific key vendor relationships include:
  - Azure.
  - Snowflake.
  - Tableau.
- Southern Cross Health Insurance – organisational alignment and opportunities to collaborate.
- Sector –peer network; keeping abreast of technology advancements and opportunities.

Key Accountabilities

2IC for Head of Data & Analytics

- Act as the 2IC for Head of Data & Analytics, providing support and leadership when required.

Data Architecture

- Develop and maintain the overall data architecture strategy, ensuring alignment with business objectives, the Data Strategy and Digital Services initiatives.
- Lead technical collaboration with 3rd party's on efforts to create a clinical data aggregation platform (if needed) to integrate with our existing data platform.

Stakeholder Collaboration and Communication

- Collaborate with stakeholders to understand their data requirements and translate them into architectural solutions when said are deemed outside of our established design principles (requirements within design principles are handled by another role within the D&A team).
- Communicate complex data architecture concepts and strategies to non-technical stakeholders in a clear and concise manner.

Architecting Advanced Analytics Solutions

- Design and implement architecture for Advanced Analytics (ML/AI) solutions, ensuring they are scalable, efficient, and integrated with our existing data platform.
- Collaborate with vendors and internal resources to support the development and deployment of Advanced Analytics models and applications.

Data Management and Standards

- Establish recognised data management frameworks (DAMA DMBoK preferred), standards, and best practices to ensure data quality, consistency, integration, and security.

Continuous Improvement and Innovation

- Stay current with industry trends, emerging technologies, and best practices in data architecture and management.
- Identify opportunities for improving data architecture and management processes, driving innovation.

Coaching & Mentoring

- Coach / mentor junior member(s) of the D&A team.

Health, Safety and Wellbeing

- All employees are responsible for complying with health and safety policies and procedures.
- You are responsible for your own health and safety while at work and ensuring that your actions or inactions do not put others at risk.
- Identify, report and self-manage hazards where appropriate.
- Ensure that you complete early and accurate reporting of incidents at work.
- Participate and co-operate for shared health and safety responsibilities
- Actively participate where improvements to health and safety at SCHL can be made

Commitment to the principles of Te Tiriti o Waitangi

- Demonstrate awareness and understanding of Te Tiriti o Waitangi obligations through manaakitanga (respect) and kawa whakaruruhau (cultural safety) as evidenced in interpersonal relationships.

Commitment to Diversity, Equity and Inclusion (DEI)

- Honour diversity by acknowledging and respecting others' spiritual beliefs, cultural practices and lifestyle choices as evidenced in interpersonal relationships.
- Seek opportunities to include diversity, equity and inclusion practices in everyday work.

Commitment to Environment, Social and Governance (ESG)

- Engage in sustainable practices whenever possible. Try to reduce the environmental impact of your work and take an active role to initiate change to meet Southern Cross' ESG (Environmental, Social and Governance) commitments.
- Actively engage to improve your knowledge regarding sustainable practices whenever possible.

Role Requirements	
Experience and skills required:	**Education and qualifications required:**
- Proven experience as a Data Architect (8-10 years). - Expert knowledge of cloud data platforms, data modelling, database design, and data integration techniques. - Experience in Advanced Analytics (ML & AI environments and solutions). - Experience with a range of ELT/ETL tools and data integration technologies. - Expertise in Snowflake, Azure, Dbt and GitHub. - Previous experience in creating and running data management programmes within organisations (ideally DAMA DMBoK). - Excellent analytical, problem-solving, and communication skills. - Ability to collaborate effectively with cross-functional teams and stakeholders. - Strategic thinking and a passion for staying updated with data-related advancements. - Strong leadership skills, including people leadership. - Strong interpersonal skills; ability to influence and maintain relationships.	Bachelor's or Master's degree in Computer Science, Information Technology, or a related field.

Leadership Attributes

Human Centred Leadership
- Empathy
- Adaptability
- Connection

Performance Coach
- Accountability
- Engagement
- Collaboration

Change Enabler
- Execution
- Energy
- Contribution