A wānanga as provided under section 398D of the Education and Training Act 2020, is an institution that: "Māori, have been instrumental in establishing; a wide diversity of teaching and intellectual endeavour that is closely interdependent; associated with higher learning; and are kaitiaki of Mātauranga Māori, te Reo Māori, and tikanga Māori within the tertiary education sector. A wānanga positions themselves within the networks of indigenous tertiary institutions across the world and contributes to the setting of international indigenous standards of teaching and intellectual endeavour".

Tūranga / Position:	**Engineer – Data**	
Uepū / Wāhanga / Department:	Taupārongo / Technology Foundations	
Takiwā / Rohe / District:	Te Puna Manaaki	
Wāhi Mahi / Location:	As per letter of offer	
Reports to:	Product Manager – Data and Information	
Whakatau ki / Direct reports:	Nil	
Indirect Reports:	Nil	
Māka Pūtea / Salary Grade:	Level 7, Allied	
Wā Roanga / Tenure:	As per letter of offer	
Key Relationships	**Internal:**	• Taupārongo Data team • Taupārongo Platforms and Security team • Taupārongo Leadership team • Te Wānanga o Aotearoa (TWoA) Data kaitiaki • Wider TWoA Leadership and key personnel (Takiwā, Rohe, Sites, Uepū)
	External:	• Suppliers, Contractors, and Consultants • Relevant Industry Peers, Experts, Sector Groups and Organisations

Pūtake Tūranga / Role Purpose

The primary purpose of the Engineer - Data role is to implement and optimise TWoA data and reporting platforms and tooling. This includes the creation and optimisation of data pipelines, data models, and management of data storage systems.

The Engineer - Data will design, build, manage and maintain centralised data infrastructure, ensuring data is accessible, reliable, and usable for analysis and business intelligence through data pipelines. This will include converting data into usable formats for stakeholders to access.

In addition, the role will support the current and future development of TWoA's data architecture in line with defined internal data architecture patterns by identifying opportunities for improvement, understanding stakeholder data requirements, and providing appropriate solutions.

Key Responsibilities	Deliverables / Accountabilities
Implement Data Architecture	- Support current and future development of TWoA's data architecture in line with defined internal data architecture patterns and within identified timeframes. - Design, build and maintain data pipelines and data infrastructure. - Identify opportunities for improvement to meet organisational needs, backlog for action and implement them. - Understand stakeholder data requirements and provide appropriate solutions.
Solution Ideation and Data Pipeline Design	- Develop and document solutions to bring data from source systems into the TWoA centralised data architecture environment.
Data Pipeline Optimisation	- Optimise data pipelines to ensure smooth and efficient data flow from source to destination using agreed architecture patterns. - Develop and optimise Extract, Transform, Load (ETL) processes to move data from various sources into the centralised data repository for further use in processing, analysis and operational decision making. - Convert data into usable formats for end users to access.
Data Model Creation	- Accurately represent the data and its relationships through data models, ensuring these data models can be easily used by other teams.
Data Storage Management	- Manage data storage systems used for analytics, ensuring they are secure, reliable, performant, available, and efficient. - Databases, data repositories, and data lakes are appropriately secure.
Data Product Creation and Use	- Utilise data products and current data architecture to support transition to innovative future state Data Architecture patterns. - Develop data products to increase the number of kaimahi using TWoA's analytical layer tools. - Identify and undertake opportunities to provide certified data within projects and initiatives.

Key Responsibilities	Deliverables / Accountabilities
Collaboration and Communication	- Work closely with other teams, including TWoA data analysts and Taupārongo IT teams, to ensure the data environment meets organisational needs. - Communicate effectively with stakeholders to understand their data requirements and provide appropriate solutions.
Kaupapa Matua Te Wānanga o Aotearoa has a unique history and operating context. Te Kaupapa Matua o Te Wānanga o Aotearoa tells our history, guides our future and shapes the unique identity of our Wānanga. There is therefore an expectation that kaimahi: - Actively familiarise themselves with Te Kaupapa Matua o Te Wānanga o Aotearoa and how this shapes and informs our actions. - Uphold Te Wānanga o Aotearoa Values and Te Kaupapa Matua o Te Wānanga o Aotearoa. - Participate in activities associated with the culture of our organisation (i.e pōwhiri, karakia, waiata).	- Able to articulate the history, evolution and unique context of Te Wānanga o Aotearoa. - Actions of kaimahi are aligned with Te Wānanga o Aotearoa values and Te Kaupapa Matua o Te Wānanga o Aotearoa. - Values and Te Kaupapa Matua o Te Wānanga are applied in a manner that protects the mana of Te Wānanga o Aotearoa its vision, mission, and philosophy.
Kaimahi Experience	- Encourage and foster a collaborative environment that benefit all kaimahi. - Effectively utilise technology and automation, when possible, to provide streamlined access to capabilities and insights that positively impact the day-today mahi.
Information Management	- Create and manage records of TWoA activities in accordance with TWoA policies and procedures.

Key Responsibilities	Deliverables / Accountabilities
Health and Safety	- Comply with all health, safety and wellness policy and procedures. - Recognise and address circumstances to prevent unhealthy or unsafe situations.
Other Duties	- Undertake other duties as required by the employer provided the kaimahi has the required skills and qualifications.

The kaimahi shall be required to exercise all their skills and knowledge to achieve the position objectives and follow any current or future procedures and policies related to achieving them.

The responsibilities and expectations outlined in this position description may alter as business needs change. In addition, specific objectives and outcomes will be agreed upon with the upline manager on an annual basis.

Person specification

Qualifications:	- Bachelor's degree in IT or related field. - Database certification. - Cloud Technology Certification. - Full NZ Driver's Licence (Class 1).
Essential Experience and Skills:	- 5+ years' experience in a data engineering. - 5+ years' experience in data reporting, analytics and interpretation. - Experienced with Microsoft Tech Stack. - Proficient in analytical layer tools including Microsoft Fabric Infrastructure and analytics stack. - 5+ years' experience in Microsoft Cloud Infrastructure. - Solid understanding of core Data architecture patterns. - Proven experience in database management. - Demonstrated problem solving abilities. - Strong relationship management and communication skills. - Understanding of various project management and product methodologies.
Āhuatanga Māori	- Willing to participate in cultural activities and motivated to develop an understanding of Āhuatanga Māori (values, culture and tikanga). - Able to greet and acknowledge people in Te Reo Māori and pronounce Māori words correctly.

	- Prepared to increase knowledge, understanding and everyday use of Te Reo and Āhuatanga Māori and support other kaimahi in the same endeavour. - Understands and is an advocate for using Te Wānanga o Aotearoa values in the workplace.
Essential Attributes:	- Possesses technical credibility through technical knowledge, expertise and skills to perform effectively within a specific area or function. - Leads effective communication with stakeholders to understand their data requirements and provide appropriate solutions. - Can work effectively in a fast-paced environment and manage multiple projects. - Remains calm and can focus under pressure. - Works collaboratively with individuals and groups of people to achieve a goal. - Ability to develop strategies and manage tasks under pressure. - Excellent organisational skills. - High level of attention to detail and accuracy