

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:	Senior Engineer - Platforms and Security	
Uepū / Wāhanga / Department:	Taupārongo / Technology Foundations	
Takiwā / Rohe / District:	Te Puna Manaaki	
Wāhi Mahi / Location:	As per letter of offer	
Reports to:	Product Manager - Platforms and Security	
Whakatau ki / Direct reports:	Nil	
Indirect Reports:	Nil	
Māka Pūtea / Salary Grade:	Level 8, Allied	
Wā Roanga / Tenure:	As per letter of offer	
Key Relationships:	Internal:	<ul style="list-style-type: none"> • Taupārongo Platforms and Security team • Taupārongo Leadership team • Taupārongo ICT Architecture function • Taupārongo kaimahi • Wider TWoA Leadership and key personnel (Takiwā, Rohe, Sites, Uepū)
	External:	<ul style="list-style-type: none"> • Suppliers, Contractors, and Consultants • Relevant Industry Peers, Experts, Sector Groups and Organisations

Pūtake Tūranga / Role Purpose

The primary purpose of the Senior Engineer - Platforms and Security is to provide advanced technical services incorporating support, architecture, design and the management of Te Wānanga o Aotearoa’s (TWoA) Technology Foundations environment. The role will lead platforms and security delivery and serve as a subject matter expert (SME) for the wider Taupārongo team.

The Senior Engineer – Platforms and Security will resolve technical issues and identify creative solutions to ensure the robust operation of all ICT systems (whether internal, contracted, outsourced or cloud-delivered) that support TWoA functions.

The role will lead and support projects and be responsible for leading the monitoring and management of infrastructure and other technology resources. In addition, the role will contribute to developing and evolving strategies and tactics for ongoing improvements, ensuring systems are sourced, designed, and leveraged for maximum benefit to the organisation.

Key Responsibilities	Deliverables / Accountabilities
Platform and Security Management and Integration	<ul style="list-style-type: none"> - Work with Taupārongo Leadership, other uepū members and vendors to define TWoA ICT Architecture and technology requirements and goals. - Build and maintain systems with embedded security controls, including authentication systems, encryption protocols, and network defences. - Gauge the effectiveness and efficiency of existing platforms; develop and implement strategies for improving or further leveraging these systems. - Integrate and manage ICT systems including virtualisation, cloud-based technologies, print, backups, servers and their associated hardware and software. - Provide technical expertise and advice to ensure ICT platforms operate in alignment with TWoA architecture design. - Optimise cloud-based systems, networks, and adjacent systems for performance and efficiency. - Resolve technical issues within designated timeframes. - Undertake necessary actions to ensure data is secure and in compliance with industry regulations. - Conduct research on software and systems products to justify recommendations and to support purchasing efforts. - Consult with vendors, outsourcers, contractors and stakeholders to deploy, secure and support technology projects. - Communicate issues and identify resolutions to maximise the benefit to TWoA of its systems.
System Maintenance	<ul style="list-style-type: none"> - Research, plan, and manage system lifecycle upgrades and enhancements. - Maintain and optimise technology-related products and services. - Service and improvement request tickets are completed within stated timeframes and to requisite quality and customer satisfaction. - Ensure health and connectivity of all servers, storage, networks, software, groupware, and other applications and elements. - Monitor system/network status & troubleshoot problem areas as needed. - Ensure Cloud Service and other system resources are allocated to

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	<p>best suit the needs of TWoA.</p> <ul style="list-style-type: none"> - Design and deploy new applications and enhancements to existing applications, software, hardware and operating systems.
Security and Disaster Recovery	<ul style="list-style-type: none"> - Oversee Identity and Access Management (IAM) to ensure: <ul style="list-style-type: none"> o Login credentials are securely maintained. o Access to critical information is controlled. o User access to systems and information is appropriate and performant. - Implement, and maintain observability tools and SIEM or other platforms to suit TWoA's needs. - Detect and resolve anomalies in real time, minimizing breach, performance, and availability risks. - Develop scripts and pipelines to automate security checks, infrastructure provisioning, and vulnerability scanning. - Undertake server and security audits, system backup procedures, and recovery processes, in accordance with TWoA's disaster recovery and business continuity strategies. - Maintain compliance with TWoA policies and procedures relating to system and information security management.
Process and Document Management	<ul style="list-style-type: none"> - Create and maintain documentation as it relates to system configuration, mapping, processes and service records in line with good practice, TWoA and legislative requirements. - Produce reporting and other information to assist with management reports, trending analysis, resourcing etc.
Training, Collaboration and Support	<ul style="list-style-type: none"> - Mentor and guide Platforms and Security and other Taupārongo kaimahi through the induction process and beyond, using skills as Subject Matter Expert to ensure they are sufficiently skilled and knowledgeable to complete their mahi. - Mentor less senior kaimahi to further their development - Collaborate with Taupārongo support kaimahi to ensure smooth and reliable operation of ICT systems for fulfilling business objectives and processes.
Projects	<ul style="list-style-type: none"> - Lead and support projects.

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Kaimahi Experience	<ul style="list-style-type: none"> - Kaimahi are listened to and valued in all communications. - Promote a productive environment that benefits all kaimahi.
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: <ul style="list-style-type: none"> - 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). 	<ul style="list-style-type: none"> - 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.
Information Management	<ul style="list-style-type: none"> - Create and manage records of TWoA activities in accordance with TWoA privacy, data, information, and records management policies and procedures.
Health and Safety	<ul style="list-style-type: none"> - Comply with all health, safety and wellness policies and procedures. - Recognise and address circumstances to prevent unhealthy or unsafe situations.
Other Duties	<ul style="list-style-type: none"> - 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	

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<p>follow any current or future procedures and policies related to achieving them.</p> <p>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.</p>	

Person specification

Qualifications:	<ul style="list-style-type: none"> - Bachelors' degree in Information Technology or related field. - ITIL Certification. - Microsoft Cloud Certification (Preferred). - Full NZ Drivers Licence (Class 1).
Essential Experience and Skills:	<ul style="list-style-type: none"> - 7+ years IT experience, with related experience as a senior within groups responsible for network operational services. - Proven experience in managing network operations supporting multi-platform environments. - Strong understanding of cloud, hardware and systems software technologies, and systems network infrastructure. - Understands issues and details of integrating diverse technology to deliver robust and high-performance solutions. - Proficiency in one or more major cloud platforms. - Knowledge of scaling cloud-based applications. - Strong understanding of networking, virtualisation, and cloud security principles. - Experience with scripting languages (e.g., Python, C+). - Familiarity with automation tools (e.g., Microsoft Azure, Terraform). - Knowledge of DevOps practices and CI/CD pipelines. - Ability to analyse, learn and apply rapidly changing technologies and apply as part of integrated solutions to business requirements. - Proven experience in overseeing the design and implementation of software/hardware systems, applications, and related products. - Demonstrated experience with systems planning, security principles, and general software management best practices. - Excellent understanding of the organisation's goals and objectives. - Knowledge of applicable data privacy practices and laws. - Good project management skills.

	<ul style="list-style-type: none"> - Demonstrated ability to conduct research into systems issues and products as required. - Keen attention to detail. - Proven analytical and creative problem-solving abilities. - Strong relationship management skills. - Excellent written and verbal communication skills.
Āhuetanga Māori	<ul style="list-style-type: none"> - Willing to participate in cultural activities and motivated to develop an understanding of Āhuetanga 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 Āhuetanga Māori and support other kaimahi in the same endeavour. - Ability to actively apply Te Wānanga o Aotearoa values in the workplace.
Essential Attributes:	<ul style="list-style-type: none"> - Self-motivated, proactive and results focussed: this means being driven to achieve goals and take initiative without needing constant supervision. - Technical credibility: possesses technical credibility through technical knowledge, expertise and skills to perform effectively within a specific area or function. - Critical thinker: - examines issues and ideas and then identifies a variety of assumptions and perspectives, including both for and against, good and bad. - Analytical: ability to investigate and interpret data, issues and situations. - Effective communication: the ability to communicate ideas in both technical and user-friendly language. - Strong customer service orientation: being focused on meeting the needs of customers and providing excellent service. - Can work effectively in a fast-paced environment and manage multiple projects. - Remains calm and can focus under pressure.