

Ngā Kōrero e pā ana ki te Tūranga

Job Description

Senior DevOps Engineer

Business Group	Te Pou Rangapōtū Corporate
Location	Wellington
Salary band	A8

Mahi i roto i te Ratonga Tūmatanui | Working in the Public Service

Ka mahitahi mātou o te ratonga tūmatanui kia hei painga mō ngā tāngata o Aotearoa i āianeī, ā, hei ngā rā ki tua hoki. He kawenga tino whaitake tā mātou hei tautoko i te Karauna i runga i āna hononga ki a ngāi Māori i raro i te Tiriti o Waitangi. Ka tautoko mātou i te kāwanatanga manapori. Ka whakakotahingia mātou e te wairua whakarato ki ō mātou hapori, ā, e arahina ana mātou e ngā mātāpono me ngā tikanga matua o te ratonga tūmatanui i roto i ā mātou mahi.

In the public service we work collectively to make a meaningful difference for New Zealanders now and in the future. We have an important role in supporting the Crown in its relationships with Māori under the Treaty of Waitangi. We support democratic government. We are unified by a spirit of service to our communities and guided by the core principles and values of the public service in our work.

Mō ētahi atu kōrero hei whakamārama i tēnei kaupapa, haere ki | You can find out more about what this means at [Role and purpose - Te Kawa Mataaho Public Service Commission](#).

To Mātou Aronga | What we do for Aotearoa New Zealand

At Te Tāhuhu o te Mātauranga | Ministry of Education, delivering our purpose makes a real difference to all ākonga of Aotearoa:

***He mea tārai e mātou te mātauranga kia rangatira ai, kia mana taurite ai ōna huanga
We shape an education system that delivers excellent and equitable outcomes***

We fulfil our purpose by:

- delivering services and support nationally, regionally and locally to and through the education sector and in some cases directly to ākonga and whānau
- shaping the policies, settings and performance of the education system so that it is well placed to deliver equitable outcomes for ākonga and their whānau, from early learning through tertiary.

Tēnei Tūranga | About the role

The Senior DevOps Engineer role is a specialist position with the purpose of delivering technical software solutions for Te Tāhuhu o te Mātauranga | Ministry of Education.

As the Senior DevOps Engineer you will be responsible for the development, implementation and ongoing maintenance of CI/CD pipelines and custom software solutions within the Ministry.

As a member of the engineering practice within the digital team, you will collaborate with practice and project teams to deliver solutions to automate repetitive build and deployment tasks to improve the reliability and efficiency of the CI/CD processes and to support the engineering needs of the team.

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Ngā Haepapa | Accountabilities

As a Specialist within Te Tāhuhu o te Mātauranga | the Ministry of Education you will:

- Share specialist knowledge across the organisation and with stakeholders, working with others to inform operational level decision making.
- Contribute to an effective team with a positive approach to the work environment that encourages and supports high performance, collaboration and problem solving.
- Lead the resolution of issues, identifying risks and solutions to protect and enhance the integrity and reputation of the Ministry.
- Lead or contribute to the development and implementation of innovative and fit-for purpose solutions and frameworks for current and future challenges.
- Develop and use data and insights to make evidence-based decisions and recommendations on operational issues.
- Build capability in others through coaching, quality assurance, and proactively sharing knowledge and expertise.

As the Senior DevOps Engineer you will:

- Consult with stakeholders and team members to help design and implement CI/CD pipeline solutions.
- Maintain existing DevOps pipeline solutions and implement improvements.
- Provide ongoing support of multiple cloud non-production and production environments.
- Identify opportunities to improve existing software applications and processes.
- Further develop proof-of-concept solutions to agreed production-level standards.
- Support the system lifecycle using code, including infrastructure, pipelines, and application configuration.
- Assist with developing and implementing iterative improvement plans for software systems and platforms.
- Identify opportunities to improve the security, reliability, and performance of our solutions.
- Work with others to fine tune and scale application resources for performance and cloud cost optimisation.
- Collaborate with team members and stakeholders to share and communicate on design and implementation details.
- Work in partnership with internal customers to advise them on the use of best practice DevOps solutions to improve their development processes.
- Contribute to optimising the cost of running systems.
- Produce detailed design and user documentation as required.
- Support other engineers and providing peer review

You will make decisions in accordance with the Ministry's policies and delegations framework.

Wheako | Experience

To be successful in this role you will have the following experience:

- Experience in a complex organisation

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- Experience in building relationships and partnerships to achieve shared outcomes.
- Experience in implementing CI/CD Pipelines.
- Experience in developing software solutions with scripting languages and related technologies.
- Experience with agile software development methodologies

Ngā Āheinga | Capabilities

To be successful in this role you will have the following capabilities and competencies:

- A track record of bringing people together and leading, coaching and mentoring others to achieve outcomes.
- A proven ability to use data and insights to identify trends, risks and opportunities, to influence and guide organisational and system-level decision making.
- Excellent interpersonal and communication skills.
- Confidence using development environments, tools, source code control and automation pipelines.
- Extensive knowledge of Infrastructure as Code practices and related frameworks.
- Confidence implementing modern DevOps principles and practices.
- Competence in virtualisation, containerisation, and developing solutions in cloud environments.
- An awareness of a range of technologies and their practical applications in supporting business requirements.
- Sound levels of judgement, adaptability, integrity and the ability to handle confidential and sensitive information.
- Exceptional time management, organisation and planning skills.
- A commitment to ongoing personal and professional development.

Skills Framework for the Information Age

Strong IT capability is vital to keep us secure and to deliver innovative and effective solutions for the Education system. SFIA, the Skills Framework for the Information Age, is the technical competency and skills framework mapping individual professional skill level to a set of internationally recognised standards. Information about SFIA, including the SFIA competencies and skills required for this role, is available on the Ministry Intranet.

Capability	Level	Expectation
Systems and software life cycle engineering SLEN	5	<p>Collaborates with those responsible for ongoing systems and software life cycle management to select, adopt and adapt working practices.</p> <p>Supports deployment of the working environment for systems and software life cycle working practices.</p> <p>Provides effective feedback to encourage development of the individuals and teams responsible for systems and software life cycle working practices. Provides guidance and makes suggestions to support continual improvement and learning approach.</p> <p>Contributes to identifying new domains within the organisation where systems and software life cycle working practices can be deployed.</p>

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<p>Programming/software development</p> <p>PROG</p>	4	<p>Designs, codes, verifies, tests, documents, amends and refactors complex programs/scripts and integration software services.</p> <p>Contributes to selection of the software development approach for projects, selecting appropriately from predictive (plan-driven) approaches or adaptive (iterative/agile) approaches.</p> <p>Applies agreed standards and tools, to achieve well-engineered outcomes.</p> <p>Participates in reviews of own work and leads reviews of colleagues' work.</p>
<p>Software Design</p> <p>SWDN</p>	3	<p>Undertakes complete design of moderately complex software applications or components applying agreed standards, patterns and tools.</p> <p>Assists as part of a team in the design of components of larger software systems.</p> <p>Specifies user and/or system interfaces.</p> <p>Creates multiple design views to address the concerns of the different stakeholders of the design and to handle separately functional and non-functional requirements.</p> <p>Assists in the evaluation of options and trade-offs. Collaborates in reviews of work with others as appropriate.</p>
<p>Testing</p> <p>TEST</p>	4	<p>Selects appropriate testing approach, including manual and automated testing.</p> <p>Develops and executes test plans and test cases. Implements scalable and reliable automated tests and frameworks.</p> <p>Collaborates across parties involved in product, systems or service design and development to enable comprehensive test coverage. Identifies improvements in requirements, design or specification processes to increase the effectiveness and efficiency of testing.</p> <p>Analyses and reports on test activities, results, issues and risks, including the work of others.</p>
<p>Systems integration and build</p> <p>SINT</p>	4	<p>Provides technical expertise to enable the configuration of software, other system components and equipment for systems testing.</p> <p>Collaborates with technical teams to develop and agree system integration plans and report on progress.</p> <p>Defines complex/new integration builds.</p> <p>Ensures that integration test environments are correctly configured. Designs, performs and reports results of tests of the integration build.</p> <p>Identifies and documents system integration components for recording in the configuration management system.</p> <p>Recommends and implements improvements to processes and tools.</p>
<p>Release and deployment</p> <p>RELM</p>	4	<p>Assesses and analyses release components. Provides input to scheduling.</p> <p>Carries out the builds and tests in coordination with testers and component specialists maintaining and administering the tools and methods – manual or automatic - and ensuring, where possible, information exchange with configuration management.</p> <p>Ensures release processes and procedures are maintained.</p>

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IT infrastructure ITOP	3	<p>Carries out agreed operational procedures, including infrastructure configuration, installation and maintenance.</p> <p>Uses infrastructure management tools to collect and report on load and performance statistics and to automate the provisioning, testing and deployment of new and changed infrastructure.</p> <p>Contributes to the implementation of maintenance and installation work.</p> <p>Uses standard procedures and tools to carry out defined system backups, restoring data where necessary.</p> <p>Identifies operational problems and contributes to their resolution.</p>
Problem management PBMG	4	<p>Initiates and monitors actions to investigate and resolve problems in systems, processes and services.</p> <p>Determines problem fixes/remedies. Assists with the implementation of agreed remedies and preventative measures.</p>
Information Security SCTY	3	<p>Communicates information security risks and issues to business managers and others.</p> <p>Performs basic risk assessments for small information systems. Contributes to vulnerability assessments.</p> <p>Applies and maintains specific security controls as required by organisational policy and local risk assessments.</p> <p>Investigates suspected attacks.</p> <p>Responds to security breaches in line with security policy and records the incidents and action taken.</p>
Specialist Advice TECH	4	<p>Actively maintains knowledge in one or more identifiable specialisms.</p> <p>Provides detailed and specific advice regarding the application of their specialism(s) to the organisation's planning and operations.</p> <p>Recognises and identifies the boundaries of their own specialist knowledge.</p> <p>Collaborates with other specialists, where appropriate, to ensure advice given is appropriate to the needs of the organisation.</p>

Tātai Pou | Our Cultural Competency

Tātai Pou is our Māori Cultural competency framework. It has been aligned and is complementary to the Māori Crown Relations Capability Framework (MCR). Tātai Pou is designed to support our people and organisation to give effect to the articles of te Tiriti o Waitangi in our work. The work-based capabilities have four focus areas and describe four levels of competency (high, confident, developing and essential) that enable us to deliver our partnership approach so that Māori enjoy and achieve educational success as Māori.

Pou Hono Valuing Māori	Developing
Pou Mana Knowledge of Māori content	Developing
Pou Kipa Achieving equitable education outcomes for Māori	Developing
Pou Aroā Critical consciousness of racial equity for Māori	Developing



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Leadership Success Profile - Te Kawa Mataaho | Public Service Commission

Leadership matters. Strong leadership at every level in the Public Service will transform the experiences of New Zealanders. The Leadership Success Profile establishes “what good looks like” for leadership at all levels. Information about how the Leadership Success Profile applies to this role is available on the Ministry’s intranet.

Ngā Whakaaetanga | Approvals

Date Reviewed and Approved	May 2025
Approved By	HR Advisory team