

Role Description

Engineer – DevOps

Role Description Fields	Details
Cluster	NSW Health
Agency	eHealth NSW
Award	Health Managers (State) Award
Classification/Grade	Health Manager Level 3
Employment Status	<permanent/temporary – full time/part time>
Location	Chatswood or St Leonards
Directorate/Business Unit	
Reports to	<manager's position title>
Roles reporting to	<subordinates' position title>
Position Number (StaffLink)	<Enter information>
Date of Approval	<workforce version control>
Agency website	www.ehealth.nsw.gov.au

Primary Purpose of the role

The Engineer role is responsible for delivering systems architecture, and ensuring the successfully build, operation and running of products or platforms in alignment to relevant roadmaps.

About eHealth NSW

eHealth NSW is responsible for the delivery of digital solutions for clinical care and business services across NSW Health. We support a digitally enabled and integrated health system that delivers quality patient-centred health experiences and outcomes to the people of NSW.

Customers' and consumers see eHealth NSW as an organisation with customer centric values, behaviours and capabilities. We work together to build trust and engage with our customers and share up-to-date understanding of their business needs. We deliver consistent, reliable and easy-to-use products and services that meet our customers' needs. We share customer feedback and data and use the insights to continually improve our customers' experience.

Key accountabilities

- Reviews and contributes to planning and the implementation of roadmap deliverables working with senior engineers to assessing risks to ensure delivery aligns to relevant roadmaps, customer needs and organisational strategies.
- Contributes to discussions within development ceremonies, to refine, breakdown, size, document and implement user stories or tasks using appropriate methodologies, guiding principles and tools that

create clarity and transparency surrounding all deliverables including developing supporting technical and non-technical documentation.

- Undertakes the execution of activities related to migration, extension, implementation and transformation activities, that align to technology solutions, services and components roadmaps.
- Conducts investigations of designs that enable the roadmap vision and deliver desired qualities while identifying and developing recommendations that mitigate risks and dependencies that may impact the interoperability across systems.
- Develops code and testing standards, to improve security, functionality, supportability and efficiency
- Performs operational and improvement activities to provide assurance surrounding system security, resiliency, stability and availability through reporting and automation, identifying and escalating risks where necessary to support decision making.
- Research and maintain team expertise in emerging trends and technologies through research and continual learning activities. Contributing to building streamlined ways of working for the capability across eHealth NSW.

Key challenges

- Establish collaborative and influential relationships with stakeholders, customers and colleagues, to ensure easy and effective achievement of team / project / business goals.
- Effectively balance competing demands.
- Contribute to creating and maintaining a constructive workplace culture.

Key relationships

Internal

Who	Why
Delivery Manager	<ul style="list-style-type: none"> • Escalate issues, keep informed, advise and receive instructions • Provide regular updates on strategic deliverables, issues and priorities
Capability Manager	<ul style="list-style-type: none"> • Capability related learning and alignment • Workforce and employment relations management
Work Teams	<ul style="list-style-type: none"> • Share knowledge and deliver roadmaps • Resolve escalated technical issues

Role dimensions

Number of Direct reports

Nil

Number of Indirect reports

Nil

Budget (\$)

Nil

Financial Delegation

As per eHealth NSW Delegations Manual

Management Reporting

Line Manager	TBC
Delivery Management Support	TBC
Capability Management Support	Capability Manager

Essential requirements

- Demonstrated experience in the design, build and operations of enterprise applications in a shared services environment, including relevant qualifications or the equivalent.
- Experience with modern ICT Delivery and Operational practices (DevOps), including associated operating methodologies (such as Agile).

Capabilities for the role

The [NSW public sector capability framework](#) describes the capabilities (knowledge, skills and abilities) needed to perform a role. There are four main groups of capabilities: personal attributes, relationships, results and business enablers, with a fifth people management group of capabilities for roles with managerial responsibilities. These groups, combined with capabilities drawn from occupation-specific capability sets where relevant, work together to provide an understanding of the capabilities needed for the role.

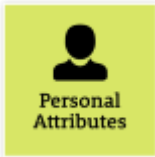
The capabilities are separated into focus capabilities and complementary capabilities.





Focus capabilities

Focus capabilities are the capabilities considered the most important for effective performance of the role. These capabilities will be assessed at recruitment.

The focus capabilities for this role are shown below with a brief explanation of what each capability covers and the indicators describing the types of behaviours expected at each level.

Focus capabilities

Capability group/sets	Capability name	Behavioural indicators	Level
	Display Resilience and Courage Be open and honest, prepared to express your views, and willing to accept and commit to change	<ul style="list-style-type: none"> • Be flexible, show initiative and respond quickly when situations change • Give frank and honest feedback and advice • Listen when ideas are challenged, seek to understand the nature of the comment and respond appropriately • Raise and work through challenging issues and seek alternatives • Remain composed and calm under pressure and in challenging situations 	Adept

 Personal Attributes	Act with Integrity Be ethical and professional, and uphold and promote the public sector values	<ul style="list-style-type: none"> • Represent the organisation in an honest, ethical and professional way and encourage others to do so • Act professionally and support a culture of integrity • Identify and explain ethical issues and set an example for others to follow • Ensure that others are aware of and understand the legislation and policy framework within which they operate • Act to prevent and report misconduct and illegal and inappropriate behaviour 	Adept
 Relationships	Commit to Customer Service Provide customer-focused services in line with public sector and organisational objectives	<ul style="list-style-type: none"> • Take responsibility for delivering high-quality customer-focused services • Design processes and policies based on the customer's point of view and needs • Understand and measure what is important to customers • Use data and information to monitor and improve customer service delivery • Find opportunities to cooperate with internal and external stakeholders to improve outcomes for customers • Maintain relationships with key customers in area of expertise • Connect and collaborate with relevant customers within the community 	Adept
 Relationships	Work Collaboratively Collaborate with others and value their contribution	<ul style="list-style-type: none"> • Encourage a culture that recognises the value of collaboration • Build cooperation and overcome barriers to information sharing and communication across teams and units • Share lessons learned across teams and units • Identify opportunities to leverage the strengths of others to solve issues and develop better processes and approaches to work • Actively use collaboration tools, including digital technologies, to engage diverse audiences in solving problems and improving services 	Adept
 Relationships	Influence and Negotiate Gain consensus and commitment from others, and resolve issues and conflicts	<ul style="list-style-type: none"> • Use facts, knowledge and experience to support recommendations • Work towards positive and mutually satisfactory outcomes • Identify and resolve issues - in discussion with other staff and stakeholders • Identify others' concerns and expectations • Respond constructively to conflict and disagreements and be open to compromise • Keep discussions focused on the key issues 	Intermediate

**Deliver Results**

Achieve results through the efficient use of resources and a commitment to quality outcomes

- Use own and others' expertise to achieve outcomes, and take responsibility for delivering intended outcomes
- Make sure staff understand expected goals and acknowledge staff success in achieving these
- Identify resource needs and ensure goals are achieved within set budgets and deadlines
- Use business data to evaluate outcomes and inform continuous improvement
- Identify priorities that need to change and ensure the allocation of resources meets new business needs
- Ensure that the financial implications of changed priorities are explicit and budgeted for

Adept

**Think and Solve Problems**

Think, analyse and consider the broader context to develop practical solutions

- Research and apply critical- thinking techniques in analysing information, identify interrelationships and make recommendations based on relevant evidence
- Anticipate, identify and address issues and potential problems that may have an impact on organisational objectives and the user experience
- Apply creative-thinking techniques to generate new ideas and options to address issues and improve the user experience
- Seek contributions and ideas from people with diverse backgrounds and experience
- Participate in and contribute to team or unit initiatives to resolve common issues or barriers to effectiveness
- Identify and share business process improvements to enhance effectiveness

Adept

**Technology**

Understand and use available technologies to maximise efficiencies and effectiveness

- Identify opportunities to use a broad range of technologies to collaborate
- Monitor compliance with cyber security and the use of technology policies
- Identify ways to maximise the value of available technology to achieve business strategies and outcomes
- Monitor compliance with the organisation's records, information and knowledge management requirements

Adept

**Project Management**





Understand and apply effective project planning, coordination and control methods






- Perform basic research and analysis to inform and support the achievement of project deliverables
- Contribute to developing project documentation and resource estimates
- Contribute to reviews of progress, outcomes and future improvements
- Identify and escalate possible variances from project plans

Intermediate

Occupation specific capability set

Capability group/sets	Capability name	Description	Level
SFIA	Development and Implementation, Systems Development <i>Programming/Software Development</i>	Designs, codes, verifies, tests, documents, amends and refactors complex programs/scripts and integration software services. Contributes to selection of the software development approach for projects, selecting appropriately from predictive (plan-driven) approaches or adaptive (iterative/ agile) approaches. Applies agreed standards and tools, to achieve well-engineered outcomes. Participates in reviews of own work and leads reviews of colleagues' work	Level 4 – PROG
SFIA	Change and Transformation, Business Change Management <i>Requirements Definition and Management</i>	Contributes to selection of the requirements approach for projects, selecting appropriately from predictive (plan-driven) approaches or adaptive (iterative/agile) approaches. Defines and manages scoping, requirements definition and prioritisation activities for initiatives of medium size and complexity. Facilitates input from stakeholders, provides constructive challenge and enables effective prioritisation of requirements. Reviews requirements for errors and omissions. Establishes the requirements base-lines, obtains formal agreement to requirements, and ensures traceability to source. Investigates, manages, and applies authorised requests for changes to base-lined requirements, in line with change management policy.	Level 4 – REQM








	Delivery and Operation, Service Transition <i>Configuration Management</i>	Agrees scope of configuration management processes and the configuration items (CIs) and related information to be controlled. Identifies, evaluates and manages the adoption of appropriate tools, techniques and processes (including automation) for configuration management to ensure information is complete, current and accurate. Plans the capture and management of CIs and related information. Contributes to development of configuration management strategies, policies, standards, and guidelines.	Level 5 – CFMG
	Development and Implementation Systems Development <i>Testing</i>	Accepts responsibility for creation of test cases using own in-depth technical analysis of both functional and non-functional specifications (such as reliability, efficiency, usability, maintainability and portability). Creates traceability records, from test cases back to requirements. Produces test scripts, materials and regression test packs to test new and amended software or services. Specifies requirements for environment, data, resources and tools. Interprets, executes and documents complex test scripts using agreed methods and standards. Records and analyses actions and results and maintains a defect register. Reviews test results and modifies tests if necessary. Provides reports on progress, anomalies, risks and issues associated with the overall project. Reports on system quality and collects metrics on test cases. Provides specialist advice to support others.	Level 4 – TEST
	Development and Implementation, Installation and Integration <i>Systems Integration and Build</i>	Identifies, evaluates and manages the adoption of appropriate tools, techniques and processes (including automation and continuous integration) to create a robust integration framework. Leads integration work in line with the agreed system and service design. Monitors and reports on the results of each integration and build. Designs and builds integration components and interfaces. Contributes to the overall design of the service and the definition of criteria for product and component selection. Contributes to development of systems integration policies, standards and tools.	Level 5 – SINT
	Delivery and Operation, Service Operation <i>Incident Management</i>	Prioritises and diagnoses incidents according to agreed procedures. Investigates causes of incidents and seeks resolution. Escalates unresolved incidents. Facilitates recovery, following resolution of incidents. Documents and closes resolved incidents according to agreed procedures.	Level 4 – USUP

 SFIA	Delivery and Operation, Service Transition. <i>Change Management</i>	Assesses, analyses, develops, documents and implements changes based on requests for change.	Level 4 – CHMG
 SFIA	Delivery and Operation, Service Transition <i>Release and Deployment</i>	Assesses and analyses release components. Provides input to scheduling. 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. Ensures release processes and procedures are maintained.	Level 4 – RELM
 SFIA	Delivery and Operation, Service Operation <i>IT Infrastructure</i>	Provides technical expertise to enable the correct application of operational procedures. Uses infrastructure management tools to determine load and performance statistics. Contributes to the planning and implementation of maintenance and installation work, including building and configuration of infrastructure components in virtualised environments. Implements agreed infrastructure changes and maintenance routines. Configures tools to automate the provisioning, testing and deployment of new and changed infrastructure. Identifies operational problems and contributes to their resolution, checking that they are managed in accordance with agreed standards and procedures. Provides reports and proposals for improvement, to specialists, users and managers.	Level 4 – ITOP
 SFIA	Delivery and Operation, Service Operation <i>Problem Management</i>	Initiates and monitors actions to investigate and resolve problems in systems, processes and services. Determines problem fixes/remedies. Assists with the implementation of agreed remedies and preventative measures.	Level 4 – PBMG
 SFIA	Delivery and Operation, Service Design <i>Service Level Management</i>	Performs defined tasks to monitor service delivery against service level agreements and maintains records of relevant information. Analyses service records against agreed service levels regularly to identify actions required to maintain or improve levels of service, and initiates or reports these actions.	Level 4 – SLMO

Complementary capabilities

Complementary capabilities are also identified from the Capability Framework and relevant occupation-specific capability sets. They are important to identifying performance required for the role and development opportunities.

Note: capabilities listed as 'not essential' for this role are not relevant for recruitment purposes however may be relevant for future career development.

Capability group/sets	Capability name	Description	Level
	Manage Self	Show drive and motivation, an ability to self-reflect and a commitment to learning	Intermediate
	Value Diversity and Inclusion	Demonstrate inclusive behaviour and show respect for diverse backgrounds, experiences and perspectives	Intermediate
	Communicate Effectively	Communicate clearly, actively listen to others, and respond with understanding and respect	Adept
	Plan and Prioritise	Plan to achieve priority outcomes and respond flexibly to changing circumstances	Intermediate
	Demonstrate Accountability	Be proactive and responsible for own actions, and adhere to legislation, policy and guidelines	Advanced
	Finance	Understand and apply financial processes to achieve value for money and minimise financial risk	Intermediate
	Procurement and Contract Management	Understand and apply procurement processes to ensure effective purchasing and contract performance	Intermediate

Other Specific Requirements

The role and responsibilities are to be carried out in a manner that is consistent with delegations, policies, procedures and operations systems of the NSW Health Organisation. The following specific requirements should be noted:

COVID-19 Vaccination Compliancy

All NSW Health workers are required to have completed a primary course of a COVID-19 vaccine which has been approved or recognised by the Therapeutics Goods Administration (TGA). Additionally, Category A workers are required to receive a booster dose three months after completing the primary course of COVID-19 vaccinations. New applicants must have completed the vaccination course prior to commencement with NSW Health, or provide an approved medical contraindication certificate (IM011 immunisation medical exemption form) certifying the worker cannot have any approved COVID-19 vaccines available in NSW. Acceptable proof of vaccination is the Australian Immunisation Register (AIR) Immunisation History Statement or AIR COVID-19 Digital Certificate. Booster doses are highly recommended for all health care workers who have completed the primary course of COVID-19 vaccinations. For Category A applicants, if dose 3 is not yet due they can sign the undertaking form to confirm they will receive the vaccine within 6 weeks of the dose due date.

Respirator Use

NSW Health workers may be required to use a respirator, as part of their appointment with NSW Health. Where a respirator is required for use, workers will be instructed in their safe use; including donning, doffing and fit checking. Staff may be required to complete fit testing to selected respirator/s to assess their facial

fit/seal. At all times when a health worker is required to use a respirator, the health worker must not have any facial hair present. Processes are in place to support workers that need to keep facial hair due to religious observance requirements and/ or health conditions.

Culture

Contribute to a constructive workplace culture and a safe workplace. Model the organisation's CORE values and ensure all workplace conduct is consistent with the behaviours associated with those values and the NSW Health Code of Conduct.

Finance and Resources

Manage allocated finance and resources efficiently and effectively in accordance with the eHealth NSW Delegations Manual (and supporting corporate policies and documentation). This may include, but not be limited to, management of an allocated budget, assets and stores, corporate records, intellectual property and personnel records and include the correct retention of data and records.

Fraud and Corruption

Ensure there are effective and sustained controls to prevent, detect and respond to fraud and corruption.

Performance Appraisal

Employees and managers should regularly check-in with each other, providing feedback to each other. All new staff should have an initial performance assessment within three (3) months following commencement of employment. At least every twelve (12) months, a performance appraisal should be undertaken.

Risk Management

Undertake business unit risk planning and risk assessments, ensuring competence in risk management and assessment. Understand and abide by the organisation's risk policies, maintaining an understanding of the operational and risk management context, managing risk accordingly.

Rostering Management

Ensure data quality, integrity, policy and Award compliance is maintained in day to day rostering.

Work Health and Safety

Workers have a duty of care to ensure everyone is safe at work. Leaders must be safety aware and ensure that a culture of safe behaviour is well understood and strongly embedded in their teams. Everyone must Think Safe, Work Safe and Live Safe and follow our guide to safety excellence. This includes taking reasonable care for your own safety and the safety of others, participating with consultation arrangements, and working and behaving safely in accordance with safety instructions, the behavioural expectations of the workplace and work health and safety legislation, policies and procedures.

Workplace Diversity

Support the organisations workplace diversity goals and policies.

Training

Comply with and participate in the organisation's training programs and policies, maintaining currency of all mandatory training.

Employee Agreement

I have read the Position description and understand its contents, am fit and able to perform the duties outlined in the Job Demands Checklist and agree to work in accordance with the requirements of the position.

Signatories	Name	Signature	Date
Employee			
Manager / Supervisor			

Job Demands Checklist

The purpose of this checklist is to manage the risk associated with the position in relation to the incumbent. It may be used to provide information about the position to a Health Professional required to perform a pre-employment medical assessment. Identification of possible risk can also assist with the development of a training plan for the incumbent to ensure the risks are minimised.

Each position should be assessed at the site as to the incumbent's (or future incumbent's) OHS responsibilities specific to the position. This form is to be completed in consultation with the manager/supervisor of the position being recruited for.

Job Demands Frequency Key:

I = Infrequent	intermittent activity exists for a short time on a very infrequent basis
O = Occasional	activity exists up to 1/3 of the time when performing the job
F = Frequent	activity exists between 1/3 and 2/3 of the time when performing the job
C = Constant	activity exists for more than 2/3 or the time when performing the job
R = Repetitive	activity involved repetitive movements
N = Not Applicable	activity is not required to perform the job

Note: any entries not assigned a value will be automatically set to "N"

PHYSICAL DEMANDS - Description (comment)	FREQUENCY					
	I	O	F	C	R	N
Sitting – remaining in a seated position to perform tasks				X		
Standing – remaining standing without moving about to perform tasks			X			
Walking – floor type: even/uneven/slippy, indoors/outdoors, slopes			X			
Running – floor type: even/uneven/slippy, indoors/outdoors, slopes						X
Bend/Lean Forward from Waist – forward bending from the waist to perform tasks	X					
Trunk Twisting – turning from the waist while sitting or standing to perform tasks	X					
Kneeling – remaining in a kneeling posture to perform tasks	X					
Squatting/Crouching – adopting a squatting or crouching posture to perform tasks	X					
Leg/Foot Movement – use of leg and/or foot to operate machinery						X
Climbing (stairs/ladders) – ascend/descend stairs, ladders, steps		X				
Lifting/Carrying – light lifting and carrying (0 to 9 kg)		X				
Lifting/Carrying – moderate lifting and carrying (10 to 15 kg)	X					

Lifting/Carrying – heavy lifting and carrying (16kg and above)						X
Reaching – arms fully extended forward or raised above shoulder	X					
Pushing/Pulling/Restraining – using force to hold/restrain or move objects toward or away from the body	X					
Head/Neck Postures – holding head in a position other than neutral (facing forward)	X					
Hand and Arm Movements – repetitive movements of hands and arms					X	
Grasping/Fine Manipulation – gripping, holding, clasping with fingers or hands			X			
Work at Heights – using ladders, footstools, scaffolding, or other objects to perform work						X
Driving/Riding – controlling the operation of a vehicle (e.g. car, truck, bus, motorcycle, bicycle)			X			
SENSORY DEMANDS - Description (comment)						
	I	O	F	C	R	N
Sight – use of sight is an integral part of work performance (e.g. viewing of X-Rays, computer screens)				X		
Hearing – use of hearing is an integral part of work performance (e.g. phone enquiries)				X		
Smell – use of smell is an integral part of work performance (e.g. working with chemicals)						X
Taste – use of taste is an integral part of work performance (e.g. food preparation)						X
Touch – use of touch is an integral part of work performance						X
PSYCHOSOCIAL DEMANDS - Description (comment)						
	FREQUENCY					
Distressed People – e.g. emergency or grief situations	X					
Aggressive and Uncooperative People – e.g. drug/alcohol, dementia, mental illness	X					
Unpredictable People – e.g. dementia, mental illness, head injuries						X
Restraining – involvement in physical containment of patients/clients						X
Exposure to Distressing Situations – e.g. child abuse, viewing dead/mutilated bodies						X
ENVIRONMENTAL DEMANDS - Description (comment)						
	FREQUENCY					
Dust – exposure to atmospheric dust	X					
Gases – working with explosive or flammable gases requiring precautionary measures						X
Fumes – exposure to noxious or toxic fumes						X
Liquids – working with corrosive, toxic or poisonous liquids or chemicals requiring personal protective equipment (PPE)						X
Hazardous Substances – e.g. dry chemicals, glues	X					
Noise – environmental/background noise necessitates people raise their voice to be heard						X
Inadequate Lighting – risk of trips, falls or eyestrain	X					
Sunlight – risk of sunburn exists from spending more than 10 minutes per day in sunlight		X				
Extreme Temperatures – environmental temperatures are less than 15°C or more than 35°C	X					
Confined Spaces – areas where only one egress (escape route) exists						X
Slippery or Uneven Surfaces - greasy or wet floor surfaces, ramps, uneven ground	X					
Inadequate Housekeeping - obstructions to walkways and work areas cause trips and falls	X					
Working At Heights – ladders/stepladders/scaffolding are required to perform tasks						X
Biological Hazards – exposure to body fluids, bacteria, infectious diseases						X