

ORGANISATIONAL OVERVIEW

Introduction:

Northern Health is a vibrant, fast-paced workplace located in the rapidly growing northern suburbs. This is driving us to think innovatively about the needs of the population and what the health system of the future might need to look like to meet those needs. We take care of our community by providing a wide range of health services at multiple locations including:

- Northern Hospital Epping
- Broadmeadows Hospital
- Craigieburn Community Hospital
- Bundoora Centre
- Merri-bek Community Team
- Broadmeadows Community Care Unit
- Broadmeadows Prevention and Recovery Care
- Hotham Street Community Mental Health Clinic
- Northern Prevention and Recovery Care
- Northern Community Care Unit and,
- Noogal Clinic
- Kilmore District Health
- Women's Health Hub
- Mernda Community Hospital

We also collaborate with our partners to help expand the range of health care services offered to our culturally rich and diverse community.

As an organisation, we are shifting our focus from illness to putting a spotlight on supporting our community in 'staying well'. In order to achieve this, we are developing strong relationships with other health service providers and the community across the region, to help us think differently about the future.

Northern Health provides a dynamic working environment, with a strong culture of teamwork, safety and respect. Northern Health is proud to be an inclusive employer and aims to ensure our workforce is representative of the community.

Our Vision:

Creating a healthier future by working together, innovating and delivering great care.

Our Values:

- Safe – We provide safe, trusted care for our patients. We are inclusive, culturally safe, celebrating the diversity of our staff and community.
- Kind – We treat everyone with kindness, respect and empathy. We provide patient-centred and compassionate care.
- Together – We work together with our staff, patients, consumers and health system partners.

Our Priorities:

Northern Health has determined six strategic directions. The directions are focused on addressing priorities for safety, sustainability, growth and innovation. They reflect our best assessment of opportunities and challenges in our current and future environment.

- Collaborate to deliver safe, efficient, effective and sustainable care in all our services
- Demonstrate our commitment to the wellbeing of our valued workforce
- Renew and strengthen our infrastructure, systems, tools and processes for financial sustainability and growth
- Innovate to shape the future of health care in Victoria
- Partner to keep people well and deliver the best possible care locally
- Drive research and education to deliver excellent care and develop the next generation of clinicians and health care leaders

These priorities are inter-related in that success in one area is dependent on success in another. Detailed plans have been developed to support each of the priority areas.

All Northern Health employees will contribute to improving patient safety by being familiar with, and applying the National Safety and Quality Standards and criteria.

Safety, Quality and Clinical Governance at Northern Health:

Northern Health is dedicated to providing the highest quality of care in the safest possible environment for every patient every time. We are focused on strengthening the safety and quality of care across the continuum, with a focus on saving lives, reducing harm and improving the patient experience.

Northern Health's safety and quality improvement activities focus on delivering the Strategic Plan and Operational Business Plans, and are supported by the Northern Health Clinical Governance and Risk Frameworks, and the Northern Health Quality Improvement Methodology.

The Northern Health Quality Management System brings together the core elements that underpin how:

- Quality and Clinical Governance is determined.
- Quality services are delivered.
- Risk is managed.
- Audit – what matters is monitored.
- Our committees monitor performance of controls put in place to ensure safe patient care.

Commitment to Child Safety at Northern Health:

- We are committed to the safety, participation and empowerment of all children
- We are committed to the cultural safety of Aboriginal children, the cultural safety of children from a culturally and /or linguistically diverse backgrounds and to providing a safe environment for children with a disability.
- We have zero tolerance of child abuse, and all allegations and safety concerns will be treated very seriously and consistently with our robust policies and procedures
- We have legal and moral obligations to contact authorities when we are worried about a child's safety, which we follow vigorously

Family Violence and Child Safety Statement:

Northern Health is a child safe environment and is committed to protecting children from harm and abuse, in accordance with our legal obligations and the Child Safe Standards. Northern Health aims to identify and respond individuals who are at risk of child abuse and family violence and we encourage victim survivors to disclose to their health professional to seek support and safety. Northern Health has zero tolerance of child abuse and family violence, and all disclosures and safety concerns will be treated sensitively in accordance with our policies and procedures.

Northern Health actively promotes the safety and wellbeing of all individuals. We recognize and respect individual rights, identities, relationships and cultures. Our aim is to foster a trauma-informed, culturally safe and child safe environment.

Northern Health is an Information Sharing Entity (ISE) and is prescribed to the Family Violence Multi-Agency Risk Assessment & Management (MARAM) Framework and the Information Sharing Schemes. Family violence and child safety training is mandatory for our staff members and volunteers.

Essential:

- Current National Police and Working with Children History Check.
- The Staff Immunisation Questionnaire must be completed by all new employees as part of the mandatory on-boarding process. New employees are not permitted to undertake any activity that requires patient contact prior to clearance by the Staff Immunisation Nurses; this also includes evidence of having the Flu vaccination on a yearly basis. New employees with contra-indications to vaccinations or who decline vaccination are required to attend a face to face consultation with the Immunisation Nurses for appropriate documentation of their contraindications or declination. This must be completed PRIOR to commencing any work with Northern Health.



POSITION DESCRIPTION

Position Title:	Cloud Platform Engineer
Business Unit/Division:	Cloud Infrastructure
Award Agreement:	Health and Allied Services, Managers and Administrative Workers (Victorian Public Sector) (Single Interest Employers) Enterprise Agreement 2025 – 2027
Classification:	HS5 - HS6
Employment Type:	Full Time, Ongoing
Reports to:	Manager, Cloud Architecture & Infrastructure
Date Prepared/Updated:	July 2026

ROLE STATEMENT

General Role Statement:

The Cloud Platform Engineer supports the implementation, automation and ongoing operation of Northern Health's cloud, AI and modern data platform environments. Reporting to the Manager, Cloud Architecture & Infrastructure, the role works closely with data analytics, data science, software development and ICT teams to deliver secure, reliable and scalable cloud platform services.

The role focuses on implementing and maintaining Azure Landing Zone components, Infrastructure as Code, cloud networking, Microsoft Fabric, Azure AI Foundry and CI/CD pipelines in line with established architecture, engineering standards and security requirements. Working under the guidance of the Manager, the Cloud Platform Engineer contributes to the continual improvement of cloud platforms that enable data, AI and digital health solutions.

Operating within a highly regulated healthcare environment, the role ensures cloud platforms are secure, resilient and compliant with applicable privacy, cybersecurity and health information requirements.

This position is responsible for:

Pillar 1: Azure Landing Zone & Infrastructure as Code (IaC)

- Implement, maintain and enhance Azure Landing Zone components in accordance with established architecture and governance standards.
- Develop and maintain Infrastructure as Code (IaC) using Bicep, ARM and/or Terraform to automate Azure deployments.
- Support CI/CD pipelines using Azure DevOps and GitHub Actions for cloud infrastructure deployments.
- Deploy and maintain Azure networking and hybrid connectivity services, including ExpressRoute, Virtual WAN, VPNs, Azure Firewall and Private Endpoints.
- Configure and support Azure identity, governance and security services, including RBAC, Azure Policy and Management Groups.
- Monitor, troubleshoot and optimise cloud infrastructure to ensure secure, reliable and high-performing platform services.
- Work collaboratively with Digital Health, ICT and cybersecurity teams to support cloud platform initiatives.

Pillar 2: Data, Fabric, & AI Infrastructure Enablement

- Implement and support Microsoft Fabric, Azure Databricks and Azure data platform services.
- Provision and maintain cloud infrastructure to support data engineering, analytics, AI and machine learning workloads.
- Configure and support Azure AI Foundry, Azure OpenAI, Azure Machine Learning and related AI services.
- Support secure integration between Azure, Microsoft Fabric and enterprise data platforms.
- Work with the Data Science Unit, software development and ICT teams to deploy and support AI and analytics solutions.
- Monitor, optimise and maintain AI and data platform infrastructure to ensure reliability, performance and security.
- Support compliance with organisational cybersecurity, privacy and information governance requirements.

Pillar 3: Cloud Engineering & Development Support (Development Space)

- Develop, maintain and enhance CI/CD pipelines using Azure DevOps and GitHub Actions to support reliable deployment of cloud infrastructure and applications.
- Design, develop and maintain cloud-native applications, automation solutions and platform services using contemporary software development practices.
- Work closely with software development teams to provision, configure and support cloud environments for digital health, AI and analytics solutions.
- Develop automation using Infrastructure as Code, scripting and DevOps practices to improve deployment consistency, operational efficiency and platform reliability.
- Contribute to the design, development and continuous improvement of internally developed applications and digital solutions, including cloud-native and AI-enabled services.
- Troubleshoot and resolve cloud platform, deployment and application integration issues across development, test and production environments.
- Contribute to engineering standards, reusable components and technical documentation that support secure, maintainable and scalable software development.

All employees:**Quality, Safety, Risk and Continuous Improvement**

- Maintain an understanding of individual responsibility for patient safety, quality & risk and contribute to organisational quality and safety initiatives.
- Follow organisational safety, quality & risk policies and procedures
- Maintain a safe working environment for yourself, your colleagues and members of the public.
- Maintain an understanding of individual responsibility for patient safety, quality & risk as outlined in Northern Health [Clinical Governance & Patient Experience - Trusted Care](#).
- Contribute to organisational quality and safety initiatives.
- Escalate concerns regarding safety, quality & risk to appropriate staff members, if unable to rectify yourself.
- Promote and participate in the evaluation and continuous improvement processes.
- Comply with principles of Patient Centred Care.
- Comply with Northern Health's commitment to Child Safety
- Comply with Northern Health mandatory continuing professional development requirements.
- Comply with requirement of National Safety & Quality Health Service Standards and other relevant regulatory requirements.
- All employees of Northern Health must comply with the health service's Staff Health / Workforce Immunisation procedure (as amended from time to time) together with any relevant State

Government and Departmental directives. This requires all employees to be vaccinated for various diseases such as but not limited to influenza.

KEY RESULT AREAS

Leadership

- Contribute technical expertise to the delivery and support of Northern Health's cloud platform and digital solutions.
- Develop effective working relationships across Digital Health, ICT, cybersecurity, the Data Science Unit and other stakeholders.
- Share knowledge and support capability development across cloud engineering, DevOps and modern platform practices.
- Contribute to a culture of collaboration, continuous improvement, innovation and operational excellence.

Strategic and Operational Platform Management

- Implement, maintain and support secure, reliable and scalable cloud platform services across Azure, Microsoft Fabric and AI environments.
- Develop and support cloud-native applications, automation solutions and CI/CD pipelines that enable the delivery of digital health initiatives.
- Monitor, maintain and optimise cloud platform services to ensure performance, reliability and operational sustainability.
- Contribute to incident resolution, platform lifecycle management and continuous service improvement.

Innovation and Continuous Improvement

- Apply modern cloud engineering, Infrastructure as Code, DevOps and automation practices to improve service delivery.
- Identify and implement opportunities to improve platform reliability, efficiency and scalability.
- Evaluate emerging cloud, AI and data technologies and contribute to their adoption where aligned with organisational priorities.

Technical

- Demonstrate sound knowledge of Azure cloud services, Infrastructure as Code, CI/CD and DevOps practices.
- Develop and maintain cloud infrastructure, automation and application components using contemporary engineering practices.
- Work collaboratively with software developers, data engineers, data scientists and ICT teams to deliver secure and maintainable digital solutions.
- Contribute to the development of reusable components, engineering standards and technical documentation.
- Participate in a regular on-call roster to provide technical support to the Northern Health team, ensuring operational continuity for our critical digital services.

Organisation-Wide Contribution:

- Comply with all of the By-Laws, Regulations and Policies that are in place at Northern Health including those relating to; Privacy and Confidentiality, Occupational Health and Safety, Performance and Development Management, Equal Opportunity, Bullying and Harassment in the Workplace
- Promote a culture of risk and "safety first" awareness and ensure risk management strategies and processes are embedded into work practices

- Demonstrate by example, adherence to and role modelling of the Northern Health values and Staff Code of Conduct
- Proactively support all Northern Health staff in the achievement of Northern Health operational and strategic goals
- Any information obtained in the course of employment is confidential and should not be used for any purpose other than the performance of duties for which the appointee is employed
- Act at all times with legal/ethical parameters

Diversity and Inclusion

- Promote diversity and inclusion for the Northern Health community.
- Promote and maintain a supportive environment for all staff
- Contribute to a culture of consumer participation by ensuring that activities within the area of responsibility are inclusive of and responsive to the needs of our consumers

SELECTION CRITERIA

Qualifications, Registrations and Qualities:

- Tertiary qualification in information technology, computer science, software engineering, data platforms, or related discipline.
- Relevant cloud certifications are desirable, including Microsoft Azure, Microsoft Fabric, Azure Databricks, security, DevOps or equivalent platform engineering certifications.
- Current National Police and Working with Children History Check
- The Staff Immunisation Questionnaire must be completed by all new employees as part of the mandatory on-boarding process. New employees are not permitted to undertake any activity that requires patient contact prior to clearance by the Staff Immunisation Nurses; this also includes evidence of having the Flu vaccination on a yearly basis. New employees with contra-indications to vaccinations or who decline vaccination are required to attend a face-to-face consultation with the Immunisation Nurses for appropriate documentation of their contraindications or declination. This must be completed PRIOR to commencing any work with Northern Health.

Experience:

- Demonstrated experience supporting or implementing cloud infrastructure and platform services within enterprise environments.
- Practical experience with Microsoft Azure cloud services and cloud-native technologies.
- Experience with Microsoft Fabric, Azure Databricks or similar modern data and analytics platforms is desirable.
- Experience supporting AI, data or analytics platforms, or an interest in developing capability in AI and machine learning technologies.
- Experience developing applications or automation solutions using modern programming languages (e.g. C#, Python, Ruby, JavaScript or similar) is desirable.
- Experience using Infrastructure as Code (IaC) tools such as Bicep or Terraform and CI/CD tools including Azure DevOps or GitHub Actions.
- Experience developing or supporting automation, cloud-native applications or DevOps practices.
- Experience working collaboratively with software developers, data engineers, ICT or analytics teams.
- Knowledge of Microsoft Power Platform or cloud integration technologies is desirable.
- Experience in healthcare or other regulated environments is desirable.

Knowledge, Skills and Behaviours:

- Sound understanding of Microsoft Azure cloud services, cloud infrastructure and modern development practices.

- Working knowledge of Infrastructure as Code, CI/CD and DevOps principles.
- Understanding of cloud security, identity management and cybersecurity best practices.
- Strong analytical and problem-solving skills with the ability to troubleshoot technical issues.
- Ability to work collaboratively within multidisciplinary technical teams.
- Well-developed communication skills with the ability to explain technical concepts to both technical and non-technical stakeholders.
- Demonstrated ability to manage competing priorities and contribute to multiple projects simultaneously.
- Willingness to learn and apply emerging cloud, AI and data platform technologies.
- An understanding of healthcare systems, system integration or clinical applications is desirable.

Employee Declaration

I

have read, understood and accept the above Position Description.

(Please print name)

Signature:

Date: