

Role Description

General information

Title:	Solutions Architect			Classification:	ASO7	
Division:	Corporate Services	Branch:	Information & Communication Technology		Business Unit:	ICT Architecture
Type of Appointment:	Ongoing	Hours of Duty:	37.5 hrs	Location :	Adelaide CBD	

About Us

South Australia is internationally recognised for the quality of its agriculture, food and wine. Our regions are the backbone of our state and the economic powerhouse that drives prosperity for all South Australians.

The Department of Primary Industries and Regions (PIRSA) is a key economic development agency working in partnership with our primary industries, regional stakeholders and across all levels of government to advance the prosperity and sustainability of South Australia's primary industries and regional communities.

We are a passionate team of around 800 people working across metropolitan and regional South Australia to develop and protect our state's regions and food, wine, aquaculture, fisheries, forestry, grains, livestock, dairy and horticulture industries.

Purpose

The primary purpose of the Solutions Architect is to provide vision, leadership, analysis and design expertise for the effective development, maintenance and governance of PIRSA's current and future state ICT solutions. The role will leverage experience in the provision of specialist technical advice and support across a broad range of ICT Technologies.

The role contributes to delivering the agency's [priorities](#) through systems and technology that support high levels of customer service and responsiveness. The role also contributes to delivering of efficient systems and processes.

Key Accountabilities

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| <ul style="list-style-type: none"> • Lead the solution of architecture and design for major in-house ICT project work. • Governance of major in-house ICT project work (e.g. solution review, refinement and approval), through membership of PIRSA's ICT Solutions Review Board (ICTSRB). • Lead the development and maintenance of contemporary solution architecture frameworks (on-premise, cloud and hybrid) to support optimal ICT solution delivery to meet PIRSA's current and future business requirements. | <ul style="list-style-type: none"> • Governance of PIRSA funded external ICT project work through membership of the ICTSRB. • Lead the development and maintenance of governance processes, standards and guidelines, to ensure effective governance and operation of PIRSA's ICT solutions portfolio. • Manage and coordinate the prioritisation of development of solution architecture frameworks and governance processes, based on PIRSA's ICT roadmaps. |
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Key Deliverables / Results

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| <ul style="list-style-type: none"> • Partnerships with business and ICT representatives are formed to design ICT solutions aligned with business goals and developed in line with approved solution architecture frameworks, standards and procedures. Steps and strategies are defined to transition from current to future state solution architecture. • In conjunction with the ICT Architect and ICT Management, potential technologies providing business improvement opportunities are identified and proposed. Detailed | <ul style="list-style-type: none"> • A high level of advice and leadership in relation to solution architecture and design is provided to encourage and drive a culture of technical excellence, cooperation and collaboration across all stakeholders. • Develop, maintain and foster effective networks and liaisons between internal and external technical teams, projects, other stakeholders and branches of the agency in order to assist in the delivery of ICT solutions. |
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analysis and assessment of the relevance and potential value of the recommended solutions are undertaken to ensure PIRSA meets its commitments under SA Government Policies and Standards. Contribute to a strategic roadmap to underpin the development of enterprise wide ICT solutions for PIRSA's services which are online, mobile-ready, easy to use, accessible, offer value for money and are designed with our customers in mind.	- Research, analyse, interpret and report on a range of possible solutions in relation to complex business and technical issues. - Document and review solution design specifications, configuration, technical specifications and procedures ensuring they are maintained, reflect best practice for user requirements and comply with agency policies.
Relationships	
- Role reports to the ICT Architect Lead. - Develops and maintains strong working relationships with Divisional staff in which the role supports. - Works closely with ICT Branch management and staff and business groups within PIRSA.	- Builds strong relationships with key customers of the branch, including senior managers, to ensure that opportunities for the use of IT are identified. - Maintains collaborative links with similar roles in other government departments.
Requirements	
- Possession of a current driver's license and willingness to drive is desirable. - Out of hours work and inter / intrastate travel may be required. - Australian residency or current works permit is required (responsibility of applicant to provide evidence of a current work permit). - You acknowledge your work, health and safety obligations and our expectations.	Desirable: tertiary qualifications in an ICT-related field.
Qualifications	

Capabilities.

Capability	Behaviours
Professional & Technical Knowledge Demonstrates expert knowledge of current and emerging trends in ICT applications, infrastructure and technologies and their application in support of PIRSA business and customer service improvement.	- Is recognised as an expert in analysing, interpreting and assessing the application of new and emerging ICT technologies and related complex and technical data, to provide strategic advice to both ICT and the business. - Substantial experience in proposing, reviewing and validating IT systems, across on-premise, Cloud and Hybrid environments. - Excellent ability to write technical IT documentation including design documentation and presentations suitable for a variety of audiences. - Proven expertise in applying IT architecture principles, practices and processes when architecting ICT solutions. - Demonstrated interpersonal acumen with the ability to negotiate, influence and advocate outcomes at a high level and maintain healthy stakeholder relationships.
Solution Architecture Leads the development of solution architectures in specific business, infrastructure or functional areas.	- Ensures that appropriate tools and methods are available, understood and employed in architecture development. - Within a change programme, leads the preparation of technical plans and, in liaison with business assurance and project staff, ensures that appropriate technical resources are made available. - Provides advice on technical aspects of solution development and integration (including requests for changes, deviations from specifications, etc.) and ensures that relevant technical strategies, policies, standards and practices (including security) are applied correctly.

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Systems Design Designs systems to meet specified requirements, compatible with agreed systems architectures, adhering to corporate standards and within constraints of performance and feasibility.	- Adopts and adapts appropriate systems design methods, tools and techniques selecting appropriately from predictive (plan-driven) approaches or adaptive (iterative/agile) approaches, and ensures they are applied effectively. - Designs large or complex systems and undertakes impact analysis on major design options and trade-off. - Makes recommendations and assesses and manages associated risks. - Reviews others' systems designs to ensure selection of appropriate technology, efficient use of resources, and integration of multiple systems and technology. - Contributes to development of systems design policies and standards and selection of architecture components and ensures that the system design balances functional and non-functional requirements.
Consultancy Provides advice and recommendations, based on expertise and experience, to address client needs.	- Takes responsibility for understanding client requirements, collecting data, delivering analysis and problem resolution. - Identifies, evaluates and recommends options, implementing if required. - Collaborates with, and facilitates stakeholder groups, as part of formal or informal consultancy agreements. - Seeks to fully address client needs, enhancing the capabilities and effectiveness of client personnel, by ensuring that proposed solutions are properly understood and appropriately exploited.
Emerging Technology Monitoring Identifies new and emerging technologies, products, services, methods and techniques.	- Plans and leads the identification and assessment of new and emerging technologies and the evaluation of the potential impacts, threats and opportunities. - Creates technology roadmaps which align organisational plans with emerging technology solutions. - Engages with, and influences, relevant stakeholders to obtain organisational commitment to technology roadmaps. - Develops organisational guidelines for monitoring emerging technologies. - Collaborates with internal and external parties to facilitate intelligence gathering.

HRMS No:	P46797	ANZCO Code:		Objective ID:	
Delegate Approval:	Michelle Griffiths, Executive Director			Date:	August 2022
Approved and Classified by People and Culture:	August 2022				