



Job Profile

Senior Solution Architect

Group: Finance, Commercial & Digital

Job Summary

To be completed by People and Culture team			
Job Family	Information Technology	Career Stage	F
Job Function	IT Architecture	Career Stream	Professional
Coverage EA = Enterprise Agreement ICE = Individual Contract of Employment	ICE	Last Modified Date	21/02/2022
To be completed by Manager ~ (Team Size relates to People Leadership)			
Work Environment	Hybrid	Team Size	
People Leader	No	Indirect Team Size	

Who we are.

At Sydney Water, we exist for our customers. We're more than 3,500 people working together, striving to do more and be better—better for the environment, our customers, our people, and our water. Our people are passionate about working together, and driving agility, accountability, innovation, sustainability, and exceptional customer experiences.

Sydney Water is the main provider of water, wastewater, recycled water, and stormwater services in Greater Sydney. Our employees are dedicated to our customers, ensuring services are reliable and affordable, we are proactive and easy to engage with, forward-thinking, and environmentally focused.

Working with us means helping to provide essential services, safeguarding Sydney's future with a sustainable water supply, and protecting our iconic waterways. Our strategy guides our journey to enhance customer outcomes and continue delivering robust services to our city into the future.

Job Purpose

As a senior solution architect within Digital, this role is responsible both for solution delivery and also for leadership across the Digital, Business Programs team.

The breakdown of these responsibilities is approximately

40% Define and implement solutions within the Digital Business programs portfolio, effectively aligning with good practise, agreed patterns and the Sydney Water Digital Strategy.

35% Resource Management, Work Assignment and Governance amongst the Digital Architects

25% Support Architecture Practise Improvement



Accountabilities

Job Specific	• Define and implement solutions within the Digital and Corporate factory, • Define, maintain and govern Digital end to end solution designs and estimates to meet business needs. • Collaborate with Development teams to ensure that solutions as delivered are aligned with the agreed Solution Architectures. • Research and evaluate potential solutions. • Work with Architects, Business Analysts and Project Managers in defining business outcomes and product roadmaps • Ensure developed or modified application components align with the business and solution architecture and meet solution performance goals. • Balance solution design choices for execution of strategy, cost of ownership, risk, delivery timing and other business or technical constraints to define viable solutions optimised for business value over the life and portfolio of solutions. • Estimate the cost of end-to-end solutions. Recommend solution choices according to minimal total cost of ownership optimising strategic content and delivery of enterprise roadmaps. • Assess proposed changes for impact on solution design and integrity. Follow agreed change processes • Ensure alignment to enterprise architecture, policies and standards • Ensure that technical life cycle management processes are in place • Input into practise improvements • Work with internal and external teams to maximise the value they are able to derive from solutions and platforms delivered Contribute to complex solution delivery • Work with key stakeholders on larger, complex projects, to drive the delivery of architected solutions and provide advanced technical consulting • Provide internal consultancy on architectural issues Oversee Quality of Delivery • Review Digital end to end solution designs and estimates • Ensure architecture references including principles, policies, standards, roadmaps, frameworks, patterns and methodologies are applied in the delivery of solutions. • Ensure that solution design choices effectively balance all factors including alignment to strategy, cost of ownership, risk, timeliness, security etc. Leadership and capability development • Assist Delivery Managers in the recruitment of new architects. • Drive the ongoing development of a central knowledge repository for design models, development standards, tips and techniques for tools, building components, test plans, test scripts and project deliverables.
---------------------	--



Education / Qualifications

Required	Tertiary degree qualifications in information technology, computer science or similar tertiary qualifications
Desired	

Certifications / Licences

Required	- Member professional IT organisations - TOGAF certification
Desired	

Experience

Required	- Minimum 10 years' experience in Information Technology architecture - Minimum 5 years' experience as a Solutions Architect - Good working knowledge of the Enterprise Architecture function - Proven experience in the application of technology solutions to business problems in scale and complexity commensurate with Sydney Water - Development and deployment experience on more than one platform - Exposure to multiple delivery methods and life-cycles - Proven track record in delivering solutions within an Agile framework - Experience with both packaged and custom build software. - Excellent communication skills, flexibility, team focus and dedication to customer service - Ability to mentor - Ability to communicate complex technical problems effectively to business managers in a clear and concise way in language and concepts they can understand - Ability to problem solve difficult issues to arrive at a technical solution that meets the business needs - Demonstrated people collaboration skills. - Demonstrated ability to establish good working relationships at project level and with Enterprise Architects - Expert skills and considerable experience in the evaluation of business solutions and technology options - Subject matter expert and proven experience in identifying, researching, evaluating and recommending new and emerging technologies relating to business architectures
-----------------	--



	• Demonstrated ability to create, deliver and implement solution architectures from inception.
Desired	•



Capabilities and Skills

The capability and skill requirements for this role are identified in the skills profile listed below. This is comprised of Enterprise Capabilities, that are essential for all roles and functional skills, which are specific to each role.

Enterprise Capabilities (F-H)			
Capability	Descriptor		
Accountability	Sets direction and motivates others to hold themselves accountable for achieving goals. Leads by example, collaborates, and sets a high standard for accountability and commitment.		
Agility	Creates team culture to encourage agile ways of thinking and working. Role models flexibility and adaptability in teams/business areas.		
Innovation	Improves or adapts existing methods and processes to achieve greater value. Manages risks, is open to and shares lessons learnt with others.		
Functional Skills			
Skill	Priority	Essential or Desirable	Proficiency level
Systems Architecture	1	Essential	Advanced
Applications Architecture	2	Essential	Advanced
Critical Thinking	3	Essential	Advanced
Influencing Skills	4	Essential	Advanced
Application Portfolio Management	5	Essential	Intermediate
Reference Architecture	6	Desirable	Intermediate
The Open Group Architecture Framework (TOGAF)	7	Desirable	Intermediate
Governance	8	Essential	Intermediate
Cloud Computing Architecture	9	Desirable	Intermediate
Agile Methodology	10	Desirable	Intermediate
Proficiency Level Descriptors			
Developing - Building practical experience, needs continued coaching.			
Intermediate - Independent execution, minimal guidance.			
Advanced - Fully independent execution, coaches' others.			
Mastery - Strategic, sought as expert internally and externally.			

Sydney Water takes the safe provision of its services to the public and the protection of its information assets extremely seriously. As a Sydney Water employee, you are required to understand your obligations under the [Acceptable Use of Information Technology Policy](#) and how Sydney Water's Information Technology is to be used. You must also help keep your workplace secure by ensuring you do not enable non-authorised people access to sites, maintain the integrity of locked entries and exits, and where appropriate, alarms being engaged.

Sydney Water requires all users to embrace and adhere to all enterprise and protective security policies, awareness programs and frameworks for Sydney Water assets.