POSITION DESCRIPTION

Lead Solution Architect

Position Level	Senior Appointment
Faculty/Division	Operations
Position Number	ADMIN ONLY
Original document creation	December 2019

Position Summary

The Solution Architect will oversee the design and communication of high-level structures to enable and guide the design and development of integrated solutions that meet current and future business needs

The role will also provide high level advice and recommendations, based on specialist expertise and experience, to address customer needs.

The role is accountable to the Sub-Domain Head of Solutions in their respective Domain and works in conjunction with the Technology Managers, Enterprise Architect and Program/Project Managers.

Accountabilities

Specific accountabilities for this role include:

- Mentor and guide other Solution Architects in the team, providing best practice, direction and advice for achieving the best outcome.

- Partner with our Enterprise Architects and Engagement Teams to ensure Strategic Alignment or initiate new strategic directions where necessary.

- Partner with our internal infrastructure teams as well as vendors to define the requisite infrastructure environments.

- Assist in the development of Procurement Strategy, RFx and evaluation criteria

- Partner with our Business Analysts to understand customer requirements and lead their articulation as functional and logical designs.

- Oversee and facilitate technical steering groups as part of formal or informal consultancy / project agreements.

- Work with the Enterprise Architecture competency centre to establish and apply standard methods, tools, templates, processes and practices

- Use appropriate tools and frameworks, including logical models of components and interfaces, to develop systems architectures in specific business or functional areas.

- Produce detailed component specifications and translates these into detailed designs for implementation using selected products.

- Provide specialist advice on technical aspects of system 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.

- Oversee technical teams to optimal solutions to meet business requirements.

- Review others' systems designs to ensure selection of appropriate technology, efficient use of resources, and integration of multiple systems and technology.

- Make substantial contribution to policy for selection of architecture components.

- Evaluate and undertake impact analysis on major design options and assess and manage associated risks.

- Ensure that the system design balances functional, service quality and systems management requirements.

- Align with and actively demonstrate the UNSW Values in Action: Our Behaviours and the UNSW Code of Conduct.

- Cooperate with all health and safety policies and procedures of the university and take all reasonable care to ensure that your actions or omissions do not impact on the health and safety of yourself or others.

Skills and Experience

- Relevant tertiary qualification as well as a minimum of eight years' professional experience in software development including at least three years' in a Solution Architecture role.

- Well-developed solution architecture and system design skills.

- An understanding of Industry recognised architectural frameworks

- Demonstrated understanding of procurement practices

- An understanding of various delivery lifecycles and where and why they should be used

- An understanding of Cloud, Managed Service and on-site deployment and integration architectures

- A well-developed appreciation of the relationship between Solution Architecture and Enterprise Architecture.

- Strong presentation skills, both written and verbal, and the ability to structure and articulate messages to different audiences at all levels.

- Strong analytical and problem solving skills, ensuring that the underlying problem is understood and a robust approach / solution is developed.

- Recognised as a subject matter expert, able to give specialist advice to others and with experience of driving technology change.

- Strong interpersonal skills with the ability to work with different levels in an organisation.

- Ability to maintain knowledge of leading and emerging practices in Solution Architecture and provide detailed advice regarding their application and execution in practice.

- An understanding of and commitment to UNSW's aims, objectives and values in action, together with relevant policies and guidelines.

- Knowledge of health and safety responsibilities and commitment to attending relevant health and safety training

About this document

This Position Description outlines the objectives, desired outcomes, key responsibilities, accountabilities, required skills, experience and desired behaviours required to successfully perform the role.

This template is not intended to limit the scope or accountabilities of the position. Characteristics of the position may be altered in accordance with the changing requirements of the role.