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POSITION DESCRIPTION

Senior Solution Architect

Position Level	9
Faculty/Division	Operations
Position Number	ADMIN ONLY
Original document creation	November 2020

Position Summary

The Senior Solution Architect is required to design, develop and deliver high quality, cost effective and sustainable Integrated solutions that meet the needs of the business.

The role will also provide high level, strategic advice and recommendations to the business in shaping solutions, based on their specialist expertise and experience.

The Senior Solution Architect reports to the Lead Solution Architect in the Sub Domain Model and has no direct reports.

Accountabilities

Specific accountabilities for this role include:

- Work with Lead Solution Architect and Enterprise Architects to ensure the solution architecture developed is aligned with the approved reference architecture and technology standards.
- Provide specialist input, advice and suggestions to assist in the development of RFX and evaluation criteria.
- Proactively partner with our Business Analysts to understand customer requirements and lead their articulation as functional and logical designs.
- Contribute to the development of architectural methods, processes, standards that align with overall business, technology and cyber security strategies.
- Design, architect and guide the implementation of cyber security protocols for strategic technology & business projects and BAU change for Group or Division.

- Work with the Lead Solution Architect and Enterprise Architecture competency centre to establish and apply standard methods, tools, templates, processes and practices.
- Develop systems architectures in specific business or functional areas, using appropriate tools and frameworks, including logical models of components and interfaces. .
- Produce detailed component specifications and translate 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 ensure that relevant technical strategies, policies, standards and practices (including security) are applied correctly.
- Collaborate and work closely with technical teams to ensure optimal solutions that meet business requirements.
- Play a lead role in contributing to policy development and creation for selection of architecture components.
- Continuously evaluate and undertake impact analysis on major design options and assess and proactively 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 6 years' professional experience in IT including at least three years' in a Solution Architecture role.
- Demonstrated and effective solution architecture and system design skills.
- Experience developing security, Integration patterns, designs and requirements in a hybrid and cloud-centric environment (e.g. AWS & Azure).
- An understanding of Cloud, Managed Service and on-site deployment and integration architectures.
- An understanding of Industry recognised architectural frameworks – TOGAF.
- Demonstrated understanding of procurement practices.
- Integration architecture experience including iPaaS, API Gateways, ETL, ESB and related technologies (e.g. REST, JSON, etc).
- An understanding of various delivery lifecycles and where and why they should be used.
- A well-developed appreciation of the relationship between Solution Architecture and Enterprise Architecture.
- Strong knowledge of Cyber security industry standards, regulations, and compliance requirements relevant to Education institutions.

- Sound interpersonal and presentation skills, both written and verbal, and the ability to structure and articulate messages to different audiences at all levels.
- Comprehensive analytical and problem-solving skills, ensuring that the underlying problem is understood and a robust approach / solution is developed.
- Strong time management skills, with a demonstrated ability to respond to changing priorities, manage multiple tasks and meet competing deadlines by using judgement and initiative.
- Demonstrated success working effectively and collaboratively on initiatives with a range of people at different levels within an organisation.
- 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.