Enterprise Cloud Architect

Position Number: 00078411
Position Title: Enterprise Cloud Architect
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Faculty / Division: Finance and Operations
School / Unit: UNSW IT, Strategy and Architecture
Position Level: Level TRP

ORGANISATIONAL ENVIRONMENT

UNSW is currently implementing a ten year strategy to 2025 and our ambition for the next decade is nothing less than to establish UNSW as Australia's global university. We aspire to this in the belief that a great university, which is a global leader in discovery, innovation, impact, education and thought leadership, can make an enormous difference to the lives of people in Australia and around the world.

Following extensive consultation in 2015, we identified three strategic priority areas. Firstly, a drive for academic excellence in research and education. Universities are often classified as 'research intensive' or 'teaching intensive'. UNSW is proud to be an exemplar of both. We are amongst a limited group of universities worldwide capable of delivering research excellence alongside the highest quality education on a large scale. Secondly, a passion for social engagement, which improves lives through advancing equality, diversity, open debate and economic progress. Thirdly, a commitment to achieving global impact through sharing our capability in research and education in the highest quality partnerships with institutions in both developed and emerging societies. We regard the interplay of academic excellence, social engagement and global impact as the hallmarks of a great forward-looking 21st century university.

To achieve this ambition we are attracting the very best academic and professional staff to play leadership roles in our organisation.

Values in Action: Our UNSW Behaviours

UNSW recognises the role of employees in driving a high-performance culture. The behavioural expectations for UNSW are below.

Values in Action
Our UNSW Behaviours

Builds Collaboration · Embraces Diversity · Displays Respect · Demonstrates Excellence · Drives Innovation

OVERVIEW OF RELEVANT AREA AND POSITION SUMMARY

UNSW IT is part of UNSW's Finance and Operations Division and provides reliable, cost effective and state of the art IT services. The Division was established in recent years to provide corporate services in support of the Faculties and Divisions.

As part of this change the UNSW IT team continues to evolve as it works toward its ambition of being a world class technology delivery and support team enabling the University with world class solutions and capabilities. As a result of the ongoing development of its own operations UNSW IT has identified the need for an expert in the design and transformation from on premise infrastructure to SaaS, PaaS & IaaS solutions

The primary purpose of the Cloud Architect is to lead the development of the UNSW cloud technical strategy and roadmap, supporting the evolution to SaaS, PaaS and IaaS solutions. The incumbent will lead the development of policies, standards, frameworks and architectural roadmaps for cloud services to guide the planning, selection, design and implementation of standard infrastructure services and project solutions.

The Cloud Architect will also support IT governance forums both in the context of technology functional governance, focusing on design assurance, while advocating for the adoption of cloud-based services.

The incumbent will build collaborative relationships with senior stakeholders, vendors and application teams in the divisions and faculties, to understand and effectively translate diverse business needs and the capabilities of our strategic partners into sustainable IT infrastructure architectures for the cloud services domain. They will ensure UNSW extracts the maximum value from its investment.

This position will report into the Director Strategy & Architecture.

RESPONSIBILITIES

Specific responsibilities for this role include:

- Translate the Enterprise IT Strategy and objectives into an integrated strategy, blueprint and roadmap for the evolution of UNSW hybrid cloud environment, across all cloud platforms and other platforms as they arise.

- Lead the development and advocate for the adoption of Cloud based solutions driving the evolution of the UNSW architecture to provide flexibility and scalability while driving down the Total Cost of Ownership and Cost to Serve.

- Lead the development of Domain specific technical solutions working with the Domain "Heads Of" and their teams, building long term plans and roadmaps for the integration and adoption of cloud services.

- Create and maintain Cloud infrastructure architectural standards, frameworks and principles to ensure solutions are designed in alignment with IT enterprise architecture standards and frameworks.

- Involve and align critical stakeholder groups behind the technology strategy. Including business leaders, strategic partners and internal partners. Drive collaboration across the ecosystem and foster an open, constructive environment where partnerships are built.

- Provide expert, specialist advice to support transformation programs, providing cloud strategy and architecture services to support the resolution of conflicting demands and/or designs and initiatives that continue to mature this capability.

- Undertake Investment and lifecycle planning to ensure that the underlying asset base that supports cloud services are sustainable and supports the development and maintenance of planning budgets.

- Support the development of business cases to progress opportunities to invest more broadly for greater business benefit.

- Advise on the technical aspects of IT changes in the operational environment, participate in the change evaluation process, providing guidance, recommendations and approvals within the change process.

- Evaluate and provide assurance over supplier solution designs and proposals.

- Support and participate in IT governance forums that oversee and approve enterprise and solution level architectures and provide technical direction on IT infrastructure (e.g. technology selection) including different hybrid cloud delivery models.

- Working as part of the Leadership Team, collaborate with the business and IT stakeholders to jointly lead the uplift in service delivery of the IT organisation.

- Promote a culture of process and continuous improvement, championing professional standards, innovation and professional methods.

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

- Proactively identify and escalate potential risks. Contribute to the development of risk management plans, establishment of risk controls and performance of risk mitigation activities.

- 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.

SELECTION CRITERIA

- Tertiary qualifications in a relevant field or equivalent service experience providing solution architecture and consulting.

- Ability to engage effectively with IT and business stakeholders, understand demand for technology services, distil complex business issues into easily understood messages and successfully communicate opportunities for greater business efficiency and effectiveness.

- Excellent written and verbal presentation and negotiation skills, with the ability to structure and articulate messages to different audiences at all levels.

- Experience in leading the design while supporting the planning and delivery of transformation and migration to cloud based solutions

- Experience in Asset Lifecycle Management, shaping strategy and architecture outputs to communicate and develop support for the required investment.

- Extensive experience and knowledge of infrastructure solution architecture and design, creating and maintain blueprints, reference models, and lifecycle models for cloud-based solutions.

- Extensive knowledge of traditional and contemporary IT infrastructure services, technologies and delivery methods and their application in large, complex organisations. This includes SaaS, PaaS and IaaS services as well as compute and storage, orchestration (ICO), system monitoring tools, ACI; cross-domain architectural elements such as DHCP, PKI, and Active Directory; and security zoning models.

- Experience developing and delivering successful data centre operations, maintenance and component replacement plans in hybrid cloud multi-sourced environments.

- Demonstrated experience in performing technical governance in a complex environment, including the technical validation of supplier detailed designs, and proposed configurations.

- Demonstrated understanding of procurement practices

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

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

It is not the intention of the position description to limit the scope or accountabilities of the position but to highlight the most important aspects of the position. The aspects mentioned above may be altered in accordance with the changing requirements of the role.