



Senior AI Architect

Working for the future of our state

October 2026

HORIZON
POWER

Position Title	Senior AI Architect (S2899015)		
Division	Technology	Business	Digital & Data Transformation (DDT)
Leader Title	Architecture Manager	Location	Bentley
Level	8	Direct reports	No direct reports
Horizon Power’s purpose and link to this position	Delivering clean energy solutions for regional growth and vibrant communities with our shared purpose, values and empowering beliefs driving our culture. This role contributes to Horizon Power’s purpose by shaping Artificial Intelligence (AI) as a secure, responsible and scalable enterprise capability. The role translates business strategy, AI strategy and enterprise technology direction into practical architectures, roadmaps and reusable patterns that improve productivity, operational efficiency, decision-making and customer outcomes. The role defines the target state for enterprise AI platforms, knowledge capabilities and AI-enabled solutions. It provides architectural leadership and assurance across AI initiatives, ensuring solutions are integrated, secure, supportable and aligned with enterprise architecture, information management, privacy, cyber security and responsible AI requirements. The role also provides strategic advice to senior stakeholders, evaluates emerging technologies and strengthens organisational AI capability through clear standards, guardrails and reusable architectural approaches.		
Position requirements			
• Travel to regional WA as required • Reasonable additional hours • Responsibilities outlined below are indicative only and do not limit Horizon Power in assigning additional responsibilities within the employee’s competency, experience, knowledge, and qualifications			
Responsibilities – Our Ways of Being			
Enterprise AI strategy, architecture & roadmaps	• Develop, maintain, communicate and govern Enterprise AI architecture artefacts, including architecture principles, standards, reference architectures, target states, transition states and implementation roadmaps • Define architecture patterns supporting Personal AI, Enterprise AI, Agentic AI, intelligent automation, enterprise knowledge management, Retrieval Augmented Generation (RAG), AI assistants and AI-enabled decision support solutions • Translate business strategy, AI strategy and enterprise technology direction into actionable architecture outcomes and investment priorities • Provide solution architecture leadership for AI and data-related initiatives, including architecture option assessment, conceptual and logical design, integration approaches, non-functional requirements, architectural decision-making and implementation guidance • Undertake architecture impact assessments and gap analysis to ensure AI initiatives align with enterprise architecture direction and business objectives • Establish reusable architecture approaches, implementation patterns, trade-off frameworks and delivery guardrails that accelerate solution delivery while managing risk and complexity • Support delivery teams through architecture assurance activities, ensuring implemented solutions remain aligned with approved architecture principles and target-state direction		
AI platforms, governance & capability uplift	• Define architecture requirements and target states for AI platforms, enterprise knowledge services, intelligent automation capabilities and data-enabled AI solutions • Govern and maintain AI architecture artefacts in approved enterprise architecture repositories, including capability maps, platform architectures, integration patterns, information flows and solution architecture views • Ensure AI architecture designs appropriately address cyber security, privacy, information management, records management and responsible AI requirements • Define architecture standards, guardrails and controls to support the safe, ethical and sustainable use of AI technologies across the organisation • Drive maturity uplift across Enterprise AI architecture practices through the development of reusable patterns, standards, guidance material and technology evaluation frameworks		

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	- Monitor emerging AI technologies, industry trends and regulatory developments, providing recommendations on their applicability and potential business value - Contribute to the continuous improvement of architecture governance, architecture assurance and enterprise AI capabilities across Horizon Power - Provide technical leadership and knowledge sharing across architecture, delivery, cyber security, data and analytics teams to strengthen organisational capability
Stakeholder relationships – Leading purposeful change	- Developing and maintaining strong, effective working relationships with key stakeholders: Internal: DDT teams, Enterprise Architecture, Data & Analytics teams, Cyber Security, Information Management, Business & Technology leaders, Architects, Product Owners, Business Analysts and Delivery Teams External: Microsoft, AWS, Databricks, Snowflake, AI technology partners, cloud service providers, consulting partners, technology vendors and industry peers - Establish trusted advisor relationships with senior leaders and key decision-makers, providing strategic advice on AI strategy, investment priorities, platform direction and implementation approaches - Facilitate collaboration across Enterprise Architecture, Data & Analytics, Cyber Security, Information Management, Product, Delivery and Business teams - Communicate complex architectural concepts clearly and effectively to both technical and non-technical audiences - Build productive relationships with technology vendors, cloud providers, consulting partners and industry peers to support Horizon Power's AI objectives - Influence and guide stakeholders to achieve alignment on architecture decisions, standards and strategic outcomes
Enterprise safety	- Comply with Enterprise Safety standards, systems, procedures and guidance, and take personal responsibility for working safely in the delivery of their role - Identify hazards, follow established controls, report incidents and speak up about risks that may impact themselves, others, customers, communities or public safety - Apply technical expertise and professional judgement to ensure technical and Enterprise Safety standards are met in the design, operation and delivery of work - Support enterprise safety governance through technical assurance, compliance and risk management so standards are consistently embedded across assets, systems, maintenance and operational activities
Ad hoc requirements	- Completing ad hoc work in a timely manner as and when required - Undertake other duties reasonably required by the position

Qualifications	
Education	- Tertiary qualifications in Information Technology, Computer Science, Engineering, Data Science, Business, Commerce or other related discipline is mandatory - TOGAF 9 Certification or higher, or equivalent architecture certification, is mandatory - Industry-recognised certifications in AI, Generative AI, cloud architecture, machine learning, data platforms or responsible AI are highly desirable. Certifications from Microsoft, AWS, Snowflake, Google Cloud or equivalent providers are highly desirable - Relevant certifications in cyber security, privacy, data governance or information management are desirable, including Microsoft, DAMA, IAPP or equivalent industry-recognised credential
Experience	Essential - Extensive experience in senior architecture roles within large or complex organisations, with demonstrated expertise in enterprise, AI, platform, data or solution architecture - Significant experience defining enterprise architecture target states, transition roadmaps, standards, reference architectures and reusable solution patterns - Demonstrated experience architecting and delivering enterprise AI solutions, including generative AI, retrieval-augmented generation (RAG), intelligent automation, AI assistants or agentic AI capabilities - Experience providing end-to-end architecture leadership for complex AI-enabled or data-related initiatives, including technology evaluation, option analysis, trade-off assessment and architecture assurance - Demonstrated experience designing secure and scalable solutions across cloud, data, integration, identity, security and information management domains, with application of cyber security, privacy, information governance and responsible AI principles.

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	Desired • Experience using enterprise architecture repositories or tools such as Orbus Infinity • Experience establishing AI operating models, enterprise AI capabilities or AI governance frameworks • Experience within the energy, utilities, asset-intensive or other highly regulated industries • Experience across operational technology, asset management, customer, geospatial, finance or enterprise reporting domains • Experience supporting organisational change, adoption and capability uplift associated with AI implementation
Key skills and abilities	Essential • Advanced enterprise and solution architecture capability, with strong systems thinking and the ability to translate business strategy into practical technology outcomes • Strong knowledge of enterprise AI architecture, including generative AI, agentic AI, AI assistants, retrieval-augmented generation and enterprise knowledge capabilities • Strong understanding of modern cloud, data and AI platforms, including architecture considerations relating to integration, security, identity, scalability and lifecycle management • Highly developed analytical and problem-solving skills, with the ability to assess options, evaluate trade-offs and apply sound commercial judgement • Demonstrated ability to develop architecture standards, patterns, guardrails and non-functional requirements that support secure, scalable and sustainable solutions • Excellent stakeholder engagement, influencing and communication skills, with the ability to provide trusted advice and communicate complex concepts to technical and non-technical audiences. • Proven ability to work autonomously, manage competing priorities and collaborate effectively across multidisciplinary teams Desired • Knowledge of architecture governance, assurance and enterprise architecture practices. • Understanding of AI operating models, capability development and organisational adoption considerations. • Knowledge of the energy, utilities or other highly regulated operating environments.
Competencies	
Thought	• Makes Decisions: Making good and timely decisions that keep the organisation moving forward • Innovates: Creating new and better ways for the organisation to be successful • Tech Savvy: Anticipating and adopting innovations in business-building digital and technology applications • Manages Complexity: Making sense of complex, high quantity, and sometimes contradictory information to effectively solve problems
Results	• Action Oriented: Taking on new opportunities and tough challenges with a sense of urgency, high energy and enthusiasm • Ensures Accountability: Holding oneself and others accountable for meeting commitments • Plans and Aligns: Planning and prioritising work to meet commitments aligned with organisational goals • Optimises work processes: Knowing the most effective and efficient processes for getting things done, with a focus on continuous improvement
People	• Collaborates: Building partnerships and working collaboratively with others to meet shared objectives • Communicates Effectively: Developing and delivering multi-mode communications that convey a clear understanding of the unique needs of different audiences
Self	• Self-Development: Actively seeking new ways to grow and be challenged, using both formal and informal development channels • Situational Adaptability: Adapting approach and demeanour in real time to match the shifting demands of different situations • Instills trust: Gaining the confidence and trust of others through honesty, integrity and sincerity