



## AI/Gen AI data management lead

Develops and implements data strategies tailored for Gen AI applications, ensuring robust architecture and effective data flow; manages secure, compliant, and ethical data practices for Gen AI

Critical work functions	Key activities
Development of data solution optimization approaches	Develop data management frameworks, including data storage, data protection standards, and retention strategies for Gen AI scalability
	Guide cross-functional teams in maintaining data quality and protection standards throughout AI development
	Support identification of internal and external data sources
Data analytics services for internal stakeholders	Act as the main authorization contact for Gen AI data usage
	Coordinate with key stakeholders to ensure data integrity and proper documentation
	Provide extra support for analytical partners, supporting processes around product measurement
	Lead delivery of designed data analytics solutions to stakeholders
	Facilitate the transfer of subject-matter expertise from the data analytics team to stakeholders
Awareness of data protection requirements	Translate data-driven insights into clear, predictive business-focused deliverables for senior stakeholders
	Work in tandem with internal stakeholders to integrate data management frameworks
	Champion the organization's data protection culture
	Advise business functions on data ethics and data governance, facilitating their strategic utilization of data assets
	Implement and monitor data security and privacy measures on existing data solutions
Data breach management and compliance	Develop strategies and guidelines on ethical data collection and usage practices
	Oversee investigations into data breaches
	Evaluate the organization's response to data breach incidents
	Act as the point of contact for international and regional regulations governing data protection and privacy
	Ensure the organization's compliance with the Personal Data Protection Act
People and organization management	Develop remediation actions to minimize the risk of personal data protection breaches
	Commission and approve Data Protection Impact Assessments
	Review operational strategies, policies, and targets across teams and projects
	Oversee the development of learning roadmaps for teams and functions
	Establish performance indicators to benchmark the effectiveness of learning and development programs
	Develop strategies for resource planning and utilization
	Manage the performance and development process, including providing coaching and development opportunities

Source: SkillsFuture

### Skills and proficiencies

Proficiency level: 

X

 Technical skills 

X

 New Gen AI skills

Technical skill competency (TSC) <sup>1</sup>				New Gen AI skills	
Configuration tracking	4	System integration	4	Prompt design	3
Strategy implementation	4	Data ethics	4	Gen AI principles and applications	3
Data collection and analysis	4	Audit and compliance	5	Gen AI model selection	3
Ethical culture	4	Data protection management	5	Gen AI model evaluation	3
Taxonomy application	4	People and performance management	5	Gen AI application development and deployment	3
Emerging technology synthesis	4	Cyber and data breach incident management	5	Gen AI model development and fine-tuning	3
Data migration	4	Data sharing	5	Responsible AI and Gen AI practices	3
Data engineering	4	Business risk management	5	Gen AI models technical aspects of security and ethics	3
Programming and coding	4	Sustainability risk management	4	Prompt engineering	3
Security architecture	4	Project management	4		
Database administration	4	Data storytelling and visualization	5		
Data design	4	People performance management	5		
Change management	4	Continuous improvement management	5		
Data governance	4				

1. Per skills taxonomy