

Infrastructure engineering manager

Proficiency level

- X New Gen AI skills
- X Transferrable skills at the same proficiency level
- X New skills
- X Transferrable skills at a higher proficiency level¹

Skills Framework track	Infrastructure	Job function	Engineering and tech.	Job family	Infrastructure engineer
Sub-sectors	Retail banking, corporate banking, investment banking, private banking and wealth management, asset management, insurance	Expected augmentation by Gen AI	Do more: Gen AI can evaluate the performance of key partners and vendors against the defined delivery metrics, synthesize insights from research on emerging technologies, and develop IT infrastructure roadmaps based on analysis of organizational strategic objectives		

Key tasks that can benefit from Gen AI

Critical work functions	Key tasks
Manage partners and vendors	Evaluate and qualify key infrastructure partners, vendors and technology providers
	Assess performance of key partners and vendors according to defined service delivery metrics
Establish infrastructure strategy and design	Develop roadmaps to achieve desired future-state IT infrastructure for the organization
	Recommend process, product, or service improvements, resource optimization, and cost savings
	Forecast financial, physical, and human resource needs to meet established objectives
	Evaluate trends and new technologies in engineering to enhance infrastructure and orchestration
Manage infrastructure implementation and optimization	Develop new alerts and monitoring techniques based on engineering requirements
Establish and oversee standards and governance	Ensure regulatory and legal compliance in infrastructure operations and maintenance activities

New Gen AI skills

Prompt design	3	Gen AI model evaluation	3	Responsible AI and Gen AI practices	3
Gen AI principles and applications	3	Gen AI application development and deployment	3	Gen AI models technical aspects of security and ethics	3
Gen AI model selection	3	Gen AI model development and fine tuning	3	Prompt engineering	3

1. Transferrable skills with an increase in one level of proficiency is considered easier to acquire than transferable skills with multiple levels of increase in proficiency, followed by net new additional skills. Depending on job redesign for the financial institution, the financial institution will have to pick select skills to reskill employees on, via a combination of on-the-job training and existing courses.

Source: SkillsFuture Skills Framework