The Skills of Tomorrow: How Critical Roles Are Evolving

by Laura Reul

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Even the most sophisticated predictive analytics will not be able to anticipate your organization's future skills needs — too much is changing too fast. A better way to stay ahead: position the enterprise to flex as new job requirements arise.

To do that, business leaders should develop sensing mechanisms, including an external market perspective. It's hard, though, to keep up: With the total number of skills required for a single job increasing by 5.4% annually, and 33% of the skills that were present in an average job posting in 2019 not being needed by 2024.

Enter the "skills life cycle," which leverages nearly eight million job listings to visualize how the most competitive roles in critical functions in the S&P 100 are evolving over time — which skills

are increasingly sought, and which are declining in listings.²

Interpreting The Skill Life Cycles

The vertical axis displays how often a skill appears in job postings for a certain role. The horizontal axis assigns skills to one of five categories: new, emerging, growing, core and declining.³ Skills must meet certain criteria to qualify for inclusion; an empty bucket indicates that no skills met the threshold.⁴ Review the table below for directional guidance for taking action (see Figure 1).

Figure 1. The Skill Life Cycles

Definition

New

Suggested Action



Could become important; they are now starting to appear in postings.

Nothing for now. Market leaders might be exploring these skills for this role but that could quickly change (either with a jump or falloff in interest).



Emerging

Found in a small percentage of job postings a few years ago but have increased enough to catch our attention.

Take note and set a plan to train or recruit talent with these skills in the near future. Availability of these skills is likely low, driving up competition and costs. Market leaders are more likely able to afford them and thus spur demand.



Growing

On the way to become core skills. Formerly optional but increasingly important to the talent profile.

Adjust hiring and development strategy to incorporate these skills. Organizations not focusing on these skills for the role are at risk of falling behind.



Core

Essentials for the job. Present in a high percentage of job postings and have been for a while.

Continue training and hiring. Organizations not recruiting these skills for a given role are already behind and should consider adjusting their talent strategy.



Declining

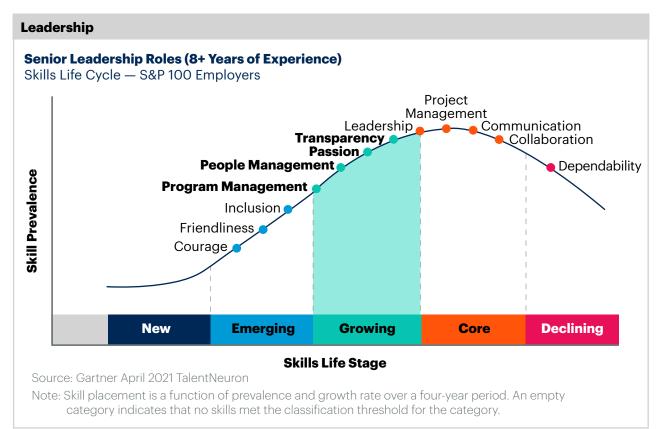
Used to be more prevalent but now appear in a lower percentage of job postings.

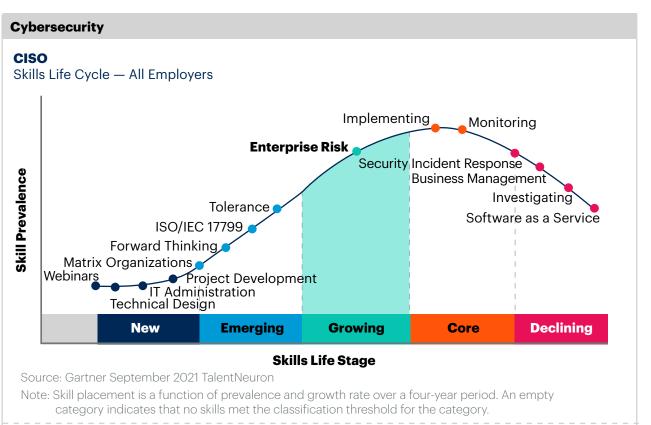
Begin to consider deprioritizing investment — these skills are still important to the role, but primed to lose relevance in the near future. Identify talent segments at risk of becoming redundant and determine options for retraining them.

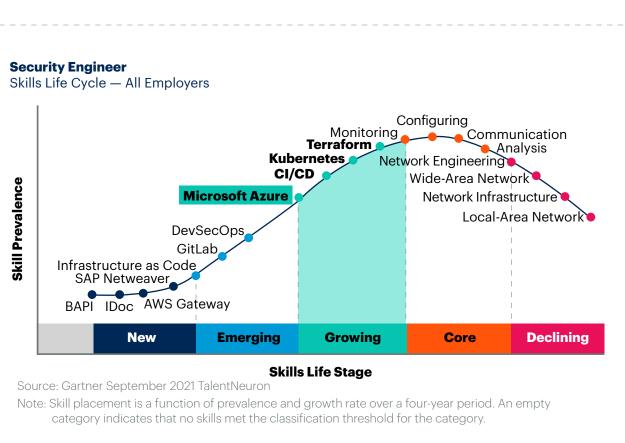
Source: Gartner

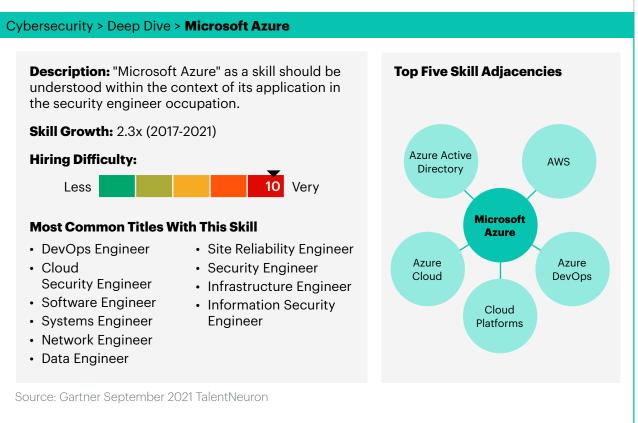
40 Gartner Business Quarterly

Third Quarter 2022 41

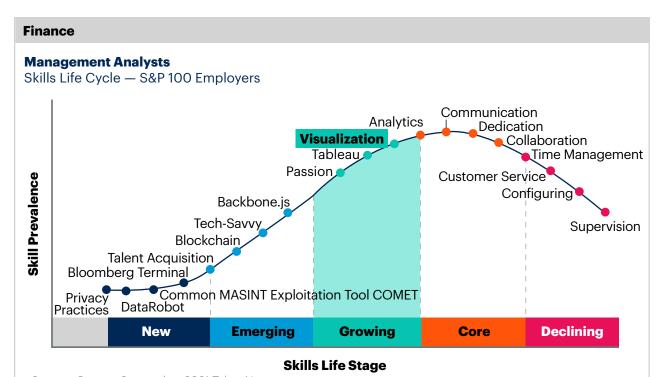








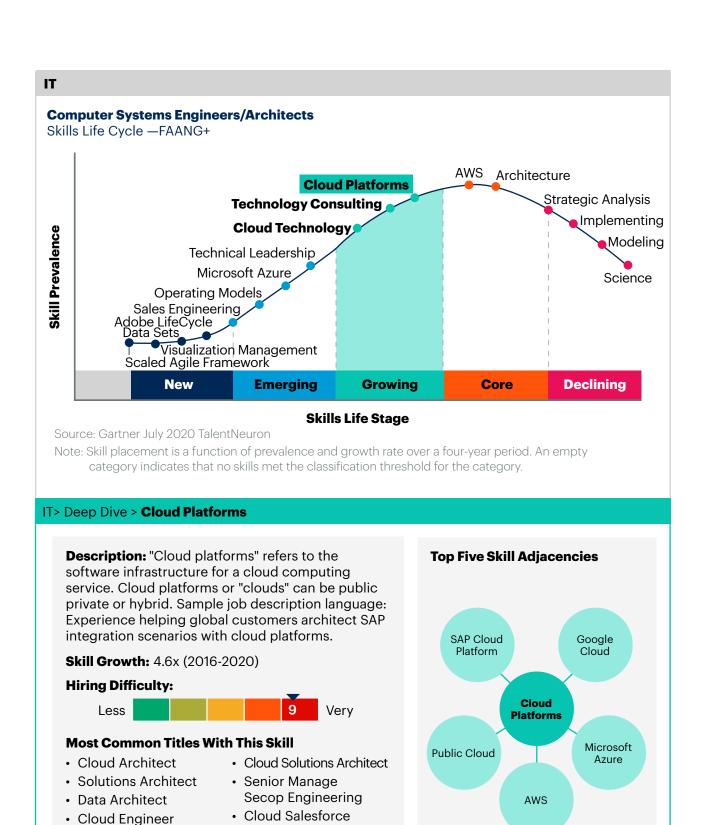
42 Gartner Business Quarterly
Third Quarter 2022 43



Source: Gartner September 2021 TalentNeuron

Note: Skill placement is a function of prevalence and growth rate over a four-year period. An empty

category indicates that no skills met the classification threshold for the category. Finance > Deep Dive > Visualization **Description:** "Visualization" as a skill should be **Top Five Skill Adjacencies** understood within the context of its application in the management analyst occupation **Skill Growth:** 2.1x (2017-2021) Data **Hiring Difficulty:** Data Sets Visualization 10 Very Less **Most Common Titles With This Skill** isualization Data Analyst Associate Visualization **Consultant Analytics** Business Analyst Power BI Software Sales Data Scientist **Operations Analyst** Statistical Analyst Tableau Data Reporting Analyst • Business Intelligence Analyst Analyst Analytic Consultant Source: Gartner June 2021 TalentNeuron



Technical Architect

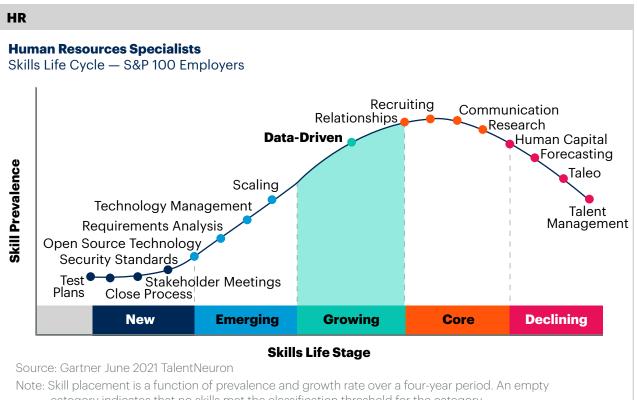
Architect

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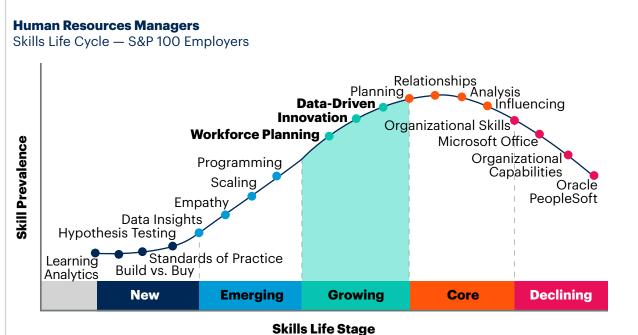
• Enterprise Architect

Source: Gartner July 2020 TalentNeuron

Azure Architect

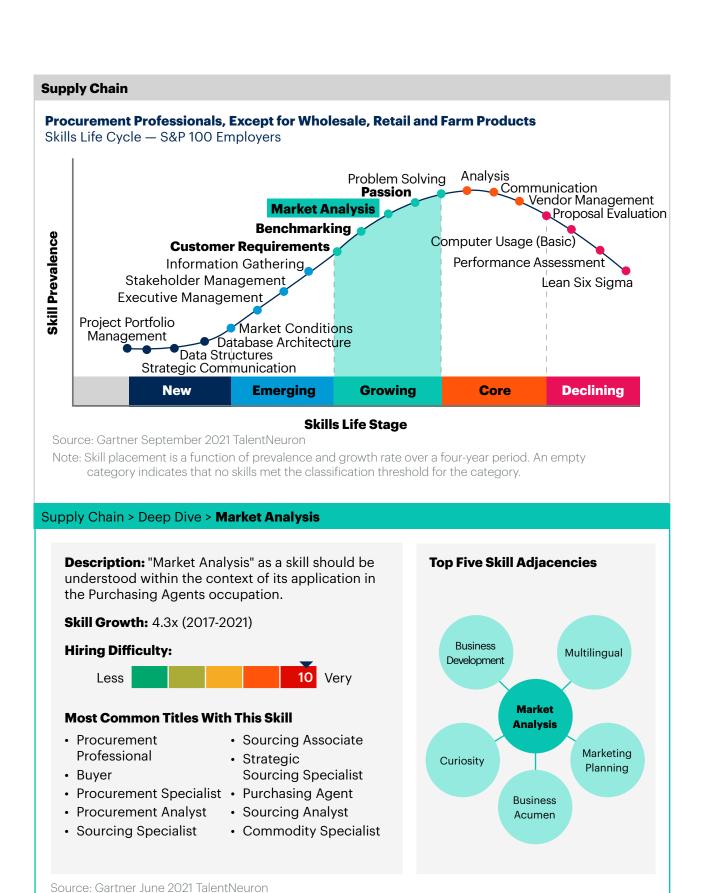


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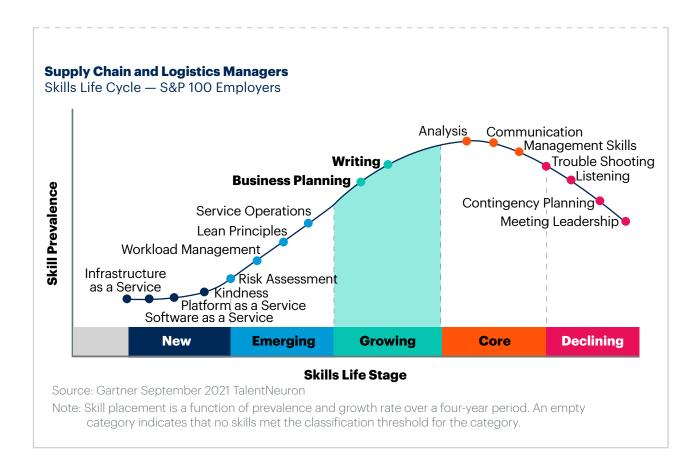


Source: Gartner June 2021 TalentNeuron

Note: Skill placement is a function of prevalence and growth rate over a four-year period. An empty category indicates that no skills met the classification threshold for the category.



Third Quarter 2022 47 46 Gartner Business Quarterly



- Gartner TalentNeuron, n = 7,897,507 S&P 100 full-time/ permanent job postings (01-Jan-2019 to 31-Mar-2022), note: 2020 excluded from analysis due to major pandemic-induced disruption in the job market, compound annual growth rate from 2019 to 2024. This report presents a selection of roles and skills, for the full report please visit The Skills Life Cycle: 2020-2022 Reports.
- ² The Skill Life Cycle is built on skills data pulled from Gartner TalentNeuron. Gartner TalentNeuron is the premium end-to-end labor market intelligence solution, combining real-time insights from trusted global data sources, deep research and expert advisors to guide decisions on location, talent and competition. To identify skills, we monitor job postings from thousands of sources, including job boards, corporate sites. partner feeds, news sites, staffing websites, and applicant tracking systems. Every day, TalentNeuron processes an average of 1.3 million job postings in 22 different languages.
- ³ For some roles, the graphic is followed by a 'deep dive' that highlights skills within the "Growing" category. We focus these deep dives on the "Growing" category because that is likely the point at which organizations will want to start acting on a given skill. The deep dive section is intended to provide additional input as organizations consider their "build, borrow, buy" options for the skill in question.
- ⁴ Please keep in mind that the skills shown on the Skills Life Cycles reflect market trends in what companies are looking for in job postings and do not reflect Gartner's positioning on the skills a role should have. Reading the Skills Life Cycles also requires a level of judgment. For example, there may be instances where a common skill appears in the declining category because it has become implicit in a role so it is no longer mentioned in job postings.

Build a Better Strategic **Plan for Your Function**

76% of corporate strategy leaders report that significant pivots in strategic plans are happening more frequently.

For functional leaders to keep pace, they need to be agile and adaptive and consider multiple scenarios to create robust and resilient strategic plans for their function.

Use our one-page strategic planning template to clearly communicate your function's priorities and create a clear roadmap to meet your strategic business goals.

Download the strategic planning template for your function.

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