

Cybersecurity Workforce Demand



GLOBALLY, the shortage of cybersecurity professionals is estimated to be **2.72 Million**

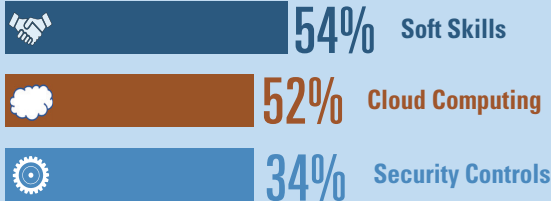
Source: (ISC)² Cybersecurity Workforce Study, 2021

Over the last three years, **87%** of organizations reported actively seeking to meet diversity goals when hiring new graduates



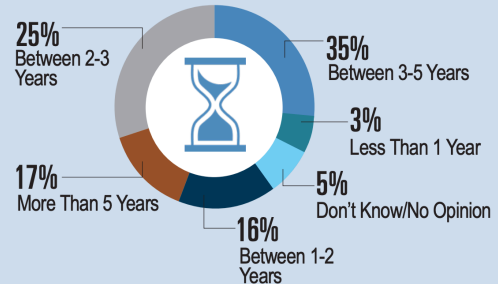
Source: Fortinet 2022 Cybersecurity Skills Gap Global Research Report

The biggest skill gaps in today's cybersecurity professionals:



Source: ISACA State of Cybersecurity 2022: Global Update on Workforce Efforts, Resources, and Cyberoperations

How long does it take a cybersecurity professional to become proficient



Source: The Life and Times of Cybersecurity Professionals 2021

714,548 total cybersecurity job openings

1,091,575 total employed cybersecurity workforce

Source: CyberSeek, June 2022

78% of decision makers indicate it's hard to find certified people, which is why **91%** of organizations are willing to pay for the training and certification of their employees



Source: Fortinet 2022 Cybersecurity Skills Gap Global Research Report

Prior hands-on cybersecurity experience remains the primary factor

(73%) in determining whether a candidate is considered qualified



Source: ISACA State of Cybersecurity 2022: Global Update on Workforce Efforts, Resources, and Cyberoperations

13.5% Growth



Computer and mathematical occupations will grow much faster than the average job during 2016–2026

Source: Bureau of Labor Statistics, U.S. Department of Labor

Top cybersecurity job titles:

- Cybersecurity Analyst
- Software Developer
- Cybersecurity Consultant
- Penetration & Vulnerability Tester
- Cybersecurity Manager
- Network Engineer
- Systems Engineer
- Senior Software Developer
- Systems Administrator

Source: CyberSeek, June 2022

Top tasks identified for entry-level candidates include:

- Alert and Event Monitoring
- Documenting Processes and Procedures
- Incident Response
- Using Scripting Languages
- Reporting (Developing and Producing Reports)



Source: (ISC)² Cybersecurity Hiring Managers Guide: Best Practices for Hiring and Developing Entry and Junior-Level Cybersecurity Practitioners, 2022