Cybersecurity Workforce Demand

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

Source: (ISC)² Cybersecurity Workforce Study, 2021

The biggest skill gaps in today’s cybersecurity professionals:

- **54%** Soft Skills
- **52%** Cloud Computing
- **34%** Security Controls

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

**714,548** total cybersecurity job openings

**1,091,575** total employed cybersecurity workforce

Source: CyberSeek, June 2022

**13.5%** Growth

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


**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

**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

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

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