



Lab - Cybersecurity Jobs Hunt – Rymbayeva Anelya, 20B030299

Objectives

Explore the career opportunities for cybersecurity professionals.

Explore the career requirements for cybersecurity professionals.

Part 1: Exploring Cybersecurity Jobs

Part 2: Cybersecurity Job Requirements

Background / Scenario

The cyber world is full of dangers and threats to individuals, organizations, and countries. These perils have resulted in a major demand for individuals with the knowledge, skills, credentials, and ethics to protect our people and systems. In this lab, you will explore the types of jobs available, job titles, job requirements, and credentials required by the cybersecurity industry. The Internet is full of job search websites that can provide you with information about careers in cybersecurity. Many of these websites are job search sites called job aggregators. This means that they collect job postings from many other sites and organizations. In part one, you will explore three of the world's most popular job aggregator websites. In part two, you will discover the requirements of cybersecurity jobs.

URL: <http://burning-glass.com/infographic-geography-cybersecurity-jobs-2015/>

Required Resources

- PC or mobile device with Internet access

Part 1: Exploring Cybersecurity Jobs

Indeed is one of the world's largest job aggregators. Indeed helps millions of job seekers and employers find the right fit. The Indeed website posts a wide assortment of jobs from entry-level to top executives. Indeed also posts part-time jobs and internship opportunities.

Step 1: Explore Cybersecurity Job Postings:

- Open a browser and view the following video: "[How to search for jobs with Indeed.com](https://youtu.be/9ggsnA2Lk-0)" (<https://youtu.be/9ggsnA2Lk-0>)
- Click [here](#) or go to <http://www.indeed.com/> to perform a job search. Start by looking for all jobs in New York City, USA. Use the phrase **cyber security** for the first search. Record the number of job found.

indeed®
one search. all jobs.

what: cyber security
job title, keywords or company

where: New York, NY
city, state, or zip

Find Jobs

cyber security jobs in New York, NY

Upload your resume - Let employers find you

Jobs 1 to 10 of 650

- Do the same search but use the phrase **information security**. Record the number of jobs found. Did you find more or less job postings? Why?

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Find jobs Company reviews Find salaries

Upload your resume Sign in

What information security

Where New York, NY

Find Jobs

Date Posted

Remote

within 25 miles

Salary Estimate

Job Type

Developer Skill

Clearance Type

Encouraged to Apply

Location

Company

Experience Level

Education

Upload your resume - Let employers find you

information security jobs in New York, NY

Sort by: relevance - date

1,390 jobs

Information Security Analyst
Madison Square Garden Entertainment 3.9 ★
New York, NY 10001 (Garment District area)

Information Security Analyst

Madison Square Garden Entertainment ★★★★★ 581 reviews
New York, NY 10001
Full-time

You must create an Indeed account before continuing to the company website to apply

Apply on company site



Job details

I have figure out that the search of different jobs will be bounded by every search.

- d. Repeat these steps using the phrase **network security** for the third search. Record the number of jobs found. Did you find more or less job postings? Why?

Upload your resume - Let employers find you

network security jobs in New York, NY

Sort by: relevance - date

1,377 jobs

Network Security Engineer
NYC Careers 2.5 ★
Manhattan, NY
\$78,795 - \$113,300 a year

The number of jobs in **network security** was a little bit less than **information security**. Due to the most widely spread job in cyber security is **information security**, the number of jobs in it was slightly more than in **network security**.

Step 2: Explore Cybersecurity Salaries.

- a. Repeat the first job search by looking for all jobs in New York City, USA. Use the phrase **cyber security**. Pick three jobs that interest you. Record the experience required and salaries offered.

Junior Cybersecurity Engineer

Align 3.6 ★

Remote in New York, NY

Estimated \$71.7K - \$90.8K a year

Full-time

Additional job details

Paid training

- Knowledge of **security** topics including network and application **security**, infrastructure hardening, **security** baselines, web server, and database security,....

Posted 30+ days ago · More...

- View all [Align jobs in New York, NY](#) - [New York jobs - Junior Engineer jobs in New York, NY](#)
- Salary Search: [Junior Cybersecurity Engineer salaries in New York, NY](#)

new

Forensic Analyst (Remote)

KLDiscovery 3.7 ★

Remote in New York, NY

Estimated \$74K - \$93.7K a year

Full-time

On call

Additional job details

Bonus pay


- LAN support, troubleshooting, auditing, **security** risks.
- As a Forensic Analyst, you are responsible for managing and conducting investigations related to data...

Posted 1 day ago · More...

- View all [KLDiscovery jobs in New York, NY](#) - [New York jobs - Forensic Analyst jobs in New York, NY](#)
- Salary Search: [Forensic Analyst \(Remote\) salaries in New York, NY](#)

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Integrity Network - Cybersecurity
RV Education Freelance Network
Remote in New York, NY

 **From \$80 an hour**



- There will also be paid opportunities to contribute to our content in the form of writing, creating videos or social media posts, and working with our team at...

Posted 30+ days ago · [More...](#)

- View all [RV Education Freelance Network jobs in New York, NY](#) - [New York jobs](#) - [Integrity Network jobs in New York, NY](#)

- b. The Indeed website also advertises internships and part-time jobs. Use the **advanced job search** option to find all **IT Security** internship opportunities in New York City. How many did you find? List a few of the titles.

CyberSecurity Intern (Global Security) - 2023 Summer (BS/MS)
TikTok 3.4 ★
New York, NY

 **\$30 an hour**  **Internship**

- Have a deep interest in pursuing a career in **security** or risk including vulnerability assessment, intrusion/ threat detection, digital investigations, mobile...

Posted 30+ days ago · [More...](#)

- View all [TikTok jobs in New York, NY](#) - [New York jobs](#) - [Cybersecurity Intern jobs in New York, NY](#)
- Salary Search: [CyberSecurity Intern \(Global Security\) - 2023 Summer \(BS/MS\) salaries in New York, NY](#)
- See popular [questions & answers about TikTok](#)

Cyber Security Intern - Summer 2023...
New Jersey Resources 4.3 ★
Hybrid remote in Township of Wall, NJ

 **Estimated \$34.7K - \$43.9K a year**  **Internship**




 **Monday to Friday**



- Assist in creation of metrics reports resulting from information **security** tools.
- Attend information **security** related meetings and capture meeting minutes and...

Posted 8 days ago

- c. Use the **advanced job search** option to find all **IT Security**, part-time opportunities in New York City. How many did you find? List a few of the titles.

Cyber Security Instructor
Kernelios Cyber Security Usa
Brooklyn, NY 11235

 **\$60 - \$100 an hour**  **Part-time**  **Evening shift +1**

 **Urgently hiring**  **Hiring multiple candidates**

- At least 8 years of cyber **security** experience.
- Instructors Shall deliver In-Person Hands-On Training in a classroom setting to A group of ambitious individuals...

Posted 8 days ago

Azure Security Architect
QSS 3.6 ★
New York, NY 10001 (Chelsea area)

 **Estimated \$79.2K - \$100K a year**  **Full-time +1**

 **Urgently hiring**  **Hiring multiple candidates**

- Strong background in **security** architecture & Design.
- Good understanding of Network **Security** / Identity & Access / Infrastructure **Security** / **Security** Operations.

Hiring ongoing

new

GCP VPC Firewall Risk Analyst
QSS 3.6 ★
New York, NY 10001 (Chelsea area) +1 location

Estimated \$81.3K - \$103K a year ⓘ

Full-time +1

🕒 Urgently hiring

👥 Hiring multiple candidates

- Conduct risk reviews of GCP VPC firewall policies requests.
- Review and analyze the GCP VPC Service control policies.
- Experience in data networking is a plus.

Hiring ongoing

Part 2: Cybersecurity Job Requirements

The cybersecurity field requires individuals with a high level of skill and knowledge. Many organizations require both academic and industry credentials to demonstrate the attainment of this knowledge and skill. Two very popular job search websites are CareerBuilder.com and USAJobs.gov. The websites list hundreds of cybersecurity related jobs.

Step 1: Explore Careerbuilder.

- Open a browser and view the following video: [CareerBuilder: Twenty Years, One Solution.](https://youtu.be/FVXCnqKVFKs) (<https://youtu.be/FVXCnqKVFKs>)
- Click [here](#) or go to <http://www.careerbuilder.com> to perform a job search at CareerBuilder.com. Start by looking for all jobs in San Francisco, California, USA. Use the phrase **network security** for the first search. Record the number of jobs found.

🔍



3,297 Network Security Jobs in San Francisco, CA

Create Job Alert.

Get similar jobs sent to your email

Save

- Select two jobs that list a salary. What is the salary range listed?

<div></div> <div><div>TODAY</div><div>Security Analyst I</div><div>Kforce Technology San Francisco, CA (On Site) Contractor</div><div>\$35.00 - \$42.00/Hour</div><div>Quick Apply</div></div> <div>🔖</div>	<div></div> <div><div>12 DAYS AGO</div><div>Field Network Tech - San Francisc...</div><div>Nesco Resource San Francisco, CA (On Site) Full-Time</div><div>\$25.00 - \$30.00/Hour</div><div>Quick Apply</div></div> <div>🔖</div>
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- d. Open the two jobs you used in the previous step. What credentials were required (academic degrees and certificates)? Did the organization require industry certifications? Please list the academic and industry credentials required.

REQUIREMENTS:

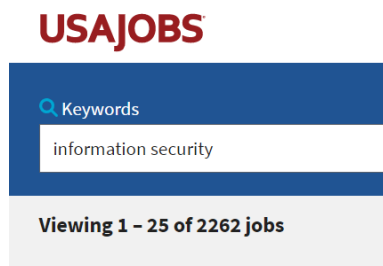
- 2+ years of hands-on experience in a cybersecurity role
- 1+ years of hands-on experience with security monitoring and response in a SOC environment
- Good understanding of cybersecurity fundamentals. This includes but is not limited to network protocols (e.g., TCP/IP stack) and security, system security, email security, etc.
- Strong problem-solving skills
- Good communication skills

Experience and Education:

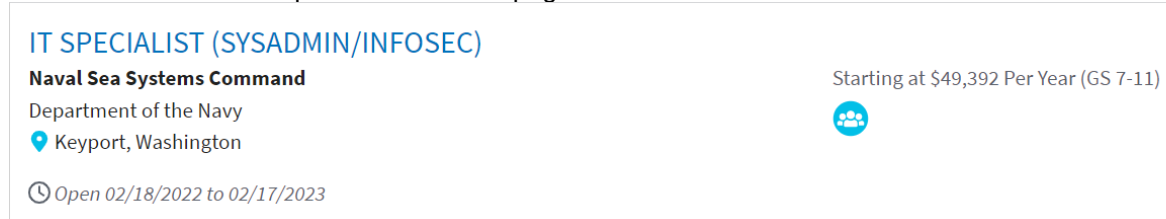
- 6+ years of experience in data communications
- Must have a basic knowledge of Cisco Phones, switches, and routers
- Must have a basic knowledge of local and wide-area networking.
- High school diploma or equivalent required

Step 2: Explore USA Government Jobs.

- a. The federal government has been the target of many high profile cyberattacks. As a result, many federal agencies need cybersecurity professionals. Click [here](#) or go to <https://youtu.be/f3vRr3Lq-zI> to view a video about USAjobs.gov. Click [here](#) or go to <https://www.usajobs.gov> to visit the USAJOBS website. Search **Information Security** as the Job Title. How many jobs did you find?



- b. Scroll through the first page of job listings. Count the number of federal agencies listings jobs on the first page.
18
- c. List three of the salaries posted on the first page.



Test Administrator

U.S. Military Entrance Processing Command

Department of the Army

 Centerville, Iowa

 Open 03/08/2022 to 03/01/2023


Starting at \$15.91 Per Hour (GS 4)



IT SPECIALIST (INFOSEC)

Naval Air Systems Command

Department of the Navy

 Orlando Naval Warfare Center, Florida

 Open 04/16/2022 to 04/14/2023

Starting at \$79,363 Per Year (DS 5)

