

How to start and build a CyberSecurity Career



Pace & Space (5 min Q&A @ End) 45 Min / 27 Slides = 1:30m Per

Starting a Cybersecurity career



confusing?



Why is it called Breaking in?

How it was done over a decade ago, isn't something we can keep doing today.

The need is too high, too strong, and we simply need more people than the old way can support.

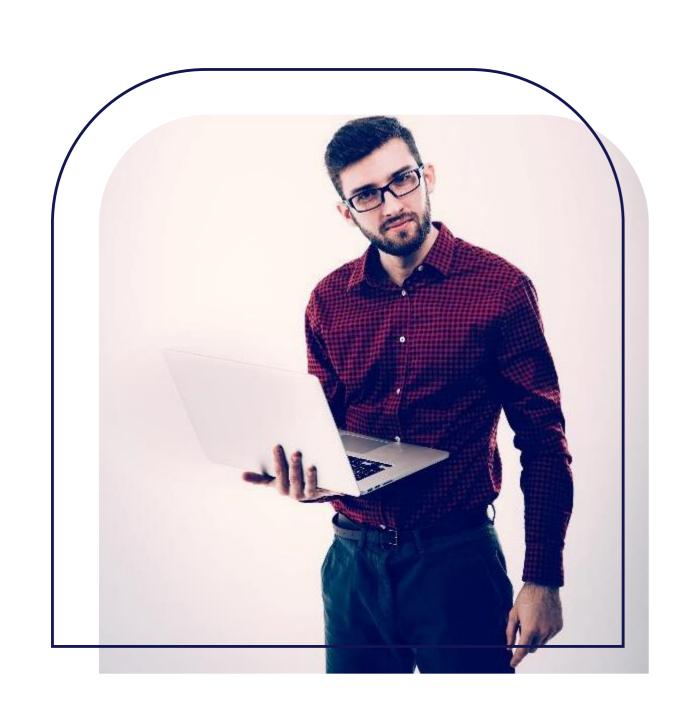
Neckbeards

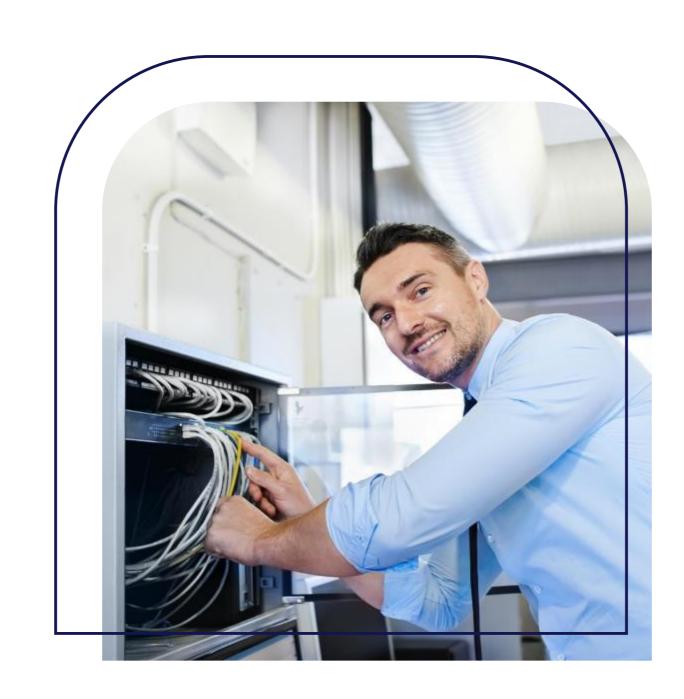
Grouchy Computer People (so angry)

• Can be seen as pedantic, overly focused on niche interests, condescending, or antisocial.



The way it used to be (10+ years)







System Administrator

Sysadmins understand operating systems, networks, software applications, and hardware configurations. This foundational knowledge is crucial for understanding attack vectors and vulnerabilities.

Network Engineer

Having deep knowledge about network configurations, protocols, and services allows for better understanding of network-based threats and how to mitigate them.

Software Developer

Developers understand the intricacies of software design, data structures, algorithms, and system architecture, which are vital when evaluating vulnerabilities or designing secure software.



No longer works

We have to change

With the increasing number and sophistication of cyber threats, the demand for skilled cybersecurity professionals has skyrocketed.



Recruiters

Don't really know enough, or understand the industry enough to find the right candidate.

Applicants

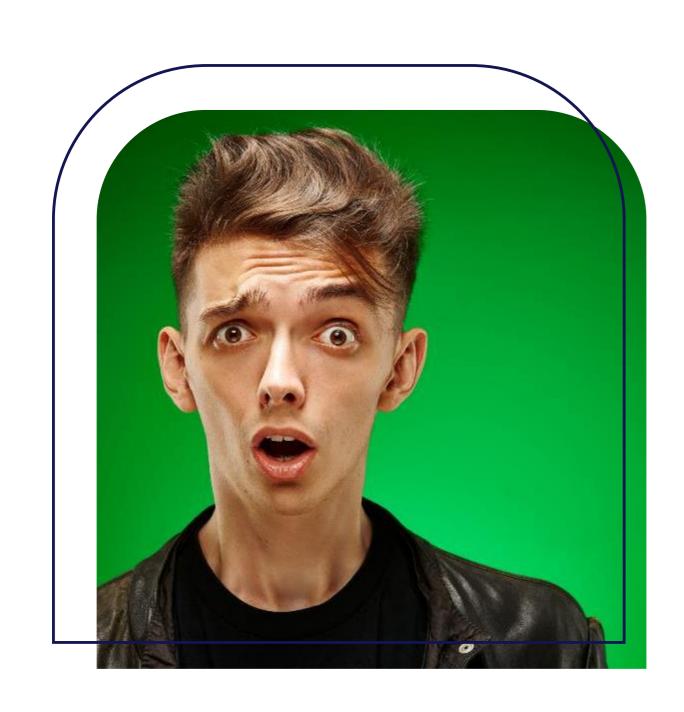
Don't understand "the game", what it takes, and how long it takes to obtain a position.

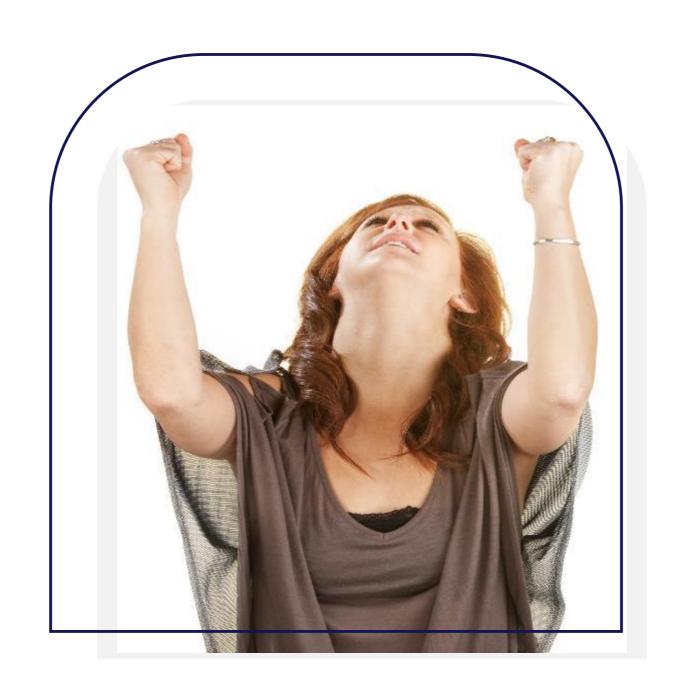


Where are the jobs?



Looking for a job 'be like'







Confusing

Overwhelming
Vague Job Descriptions
Multiple Tracking Systems
Lack of Feedback

Frustrating

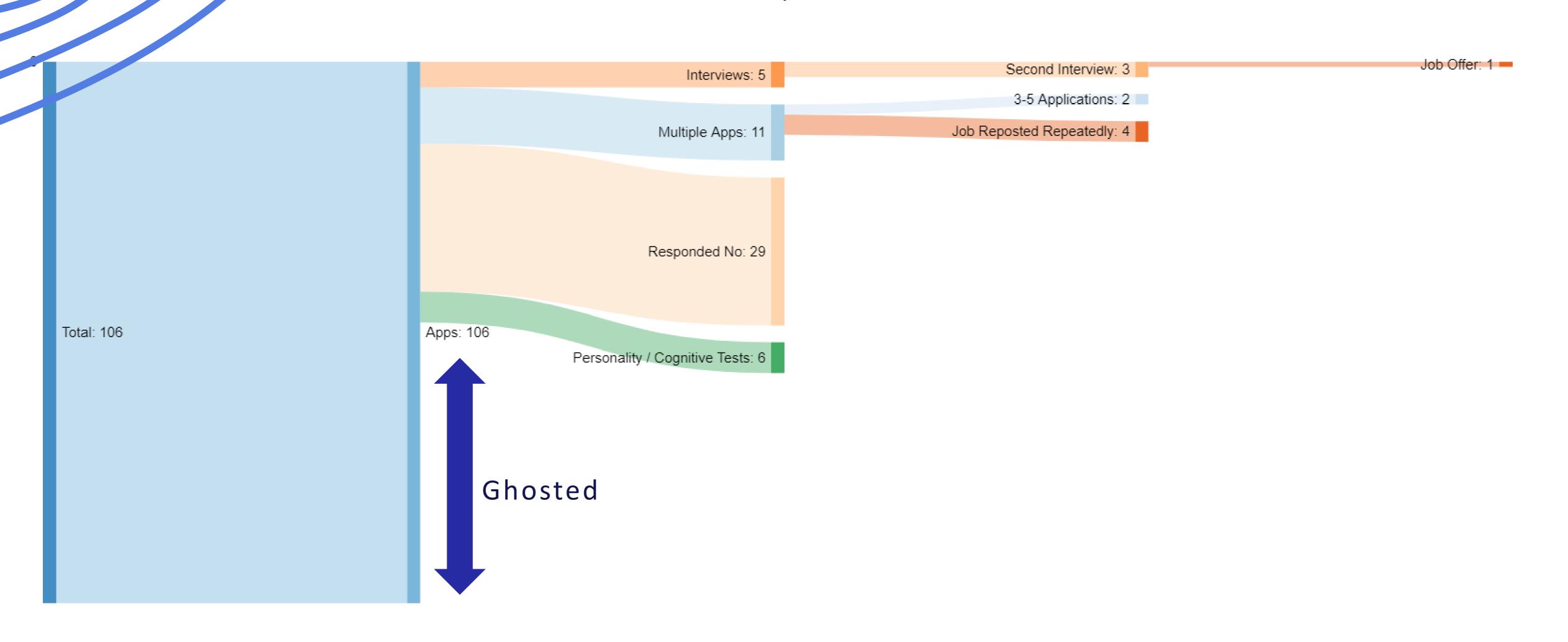
Rejection
Inconsistent Responses
Long and Disparate processes
Impersonal

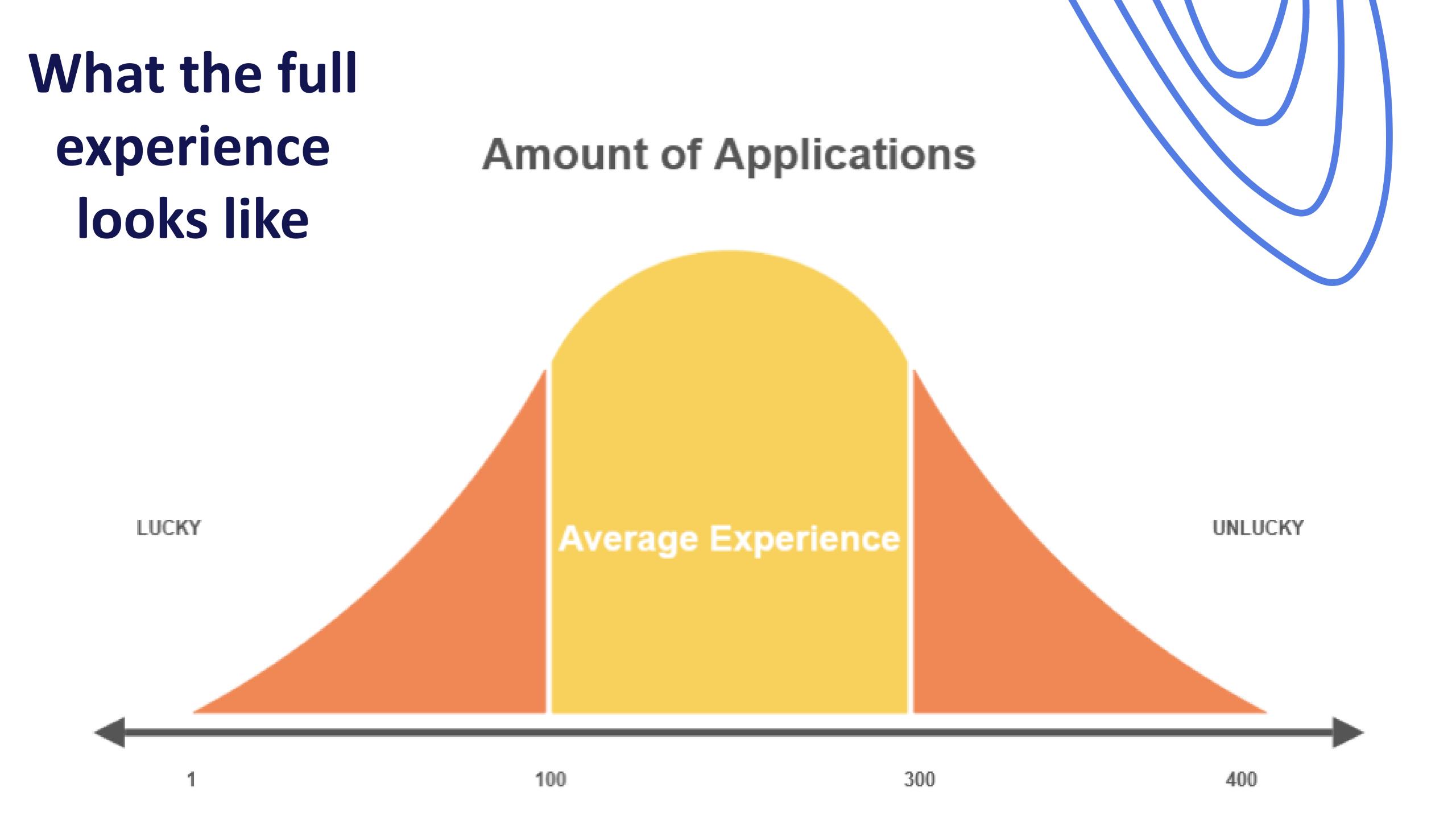
Painful

Vulnerable
Uncertainty
Identity
Self Worth

What a easy job hunt look like

Actual Experience





How long? (It is just maths)

Number of applications needed (Worst Case) 400 Number of applications per week 400 Time to Success in weeks 57.1 Time to Success in Months 14.3

How long? (It is just maths)

Number of a	applications nee	ded (Worst Case)	400	
	Number of appli	cations per week	14	
400		14		
	Time to	Success in weeks	28.6	
	Time to Si	uccess in Months	7.14	



Effort and Time



- Perseverance
- Fierce interest
- Emotional Management
- Understanding the Game
- NOT giving up



In person / Relocate?



Remote?

"A goal without a plan is only a dream."

- Brian Tracy



Having a Plan

HAVE TARGETS

Identify 1-3 Work Roles
"I don't care; I'll take any
job just won't do."

CONDUCT RESEARCH

Understand clearly what it takes to become attractive for those work roles

PROFESSIONAL ASSOCIATIONS

Identify, select, and join relevant associations

SOCIAL NETWORKING

Build & Nurture LinkedIn

Attend local cybersecurity

events and build your

social connections

IMPROVE ONESELF

Develop your Skills
Obtain Certifications
Improve your Abilities

HEALTH ENGAGEMENT

Physical Health
Mental Health
Emotional Health

Major Work Roles



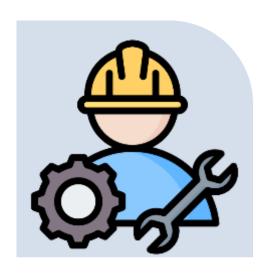
ANALYST

Primarily focused on Detection and Response.



ARCHITECT

Designs the overarching security infrastructure and strategy.



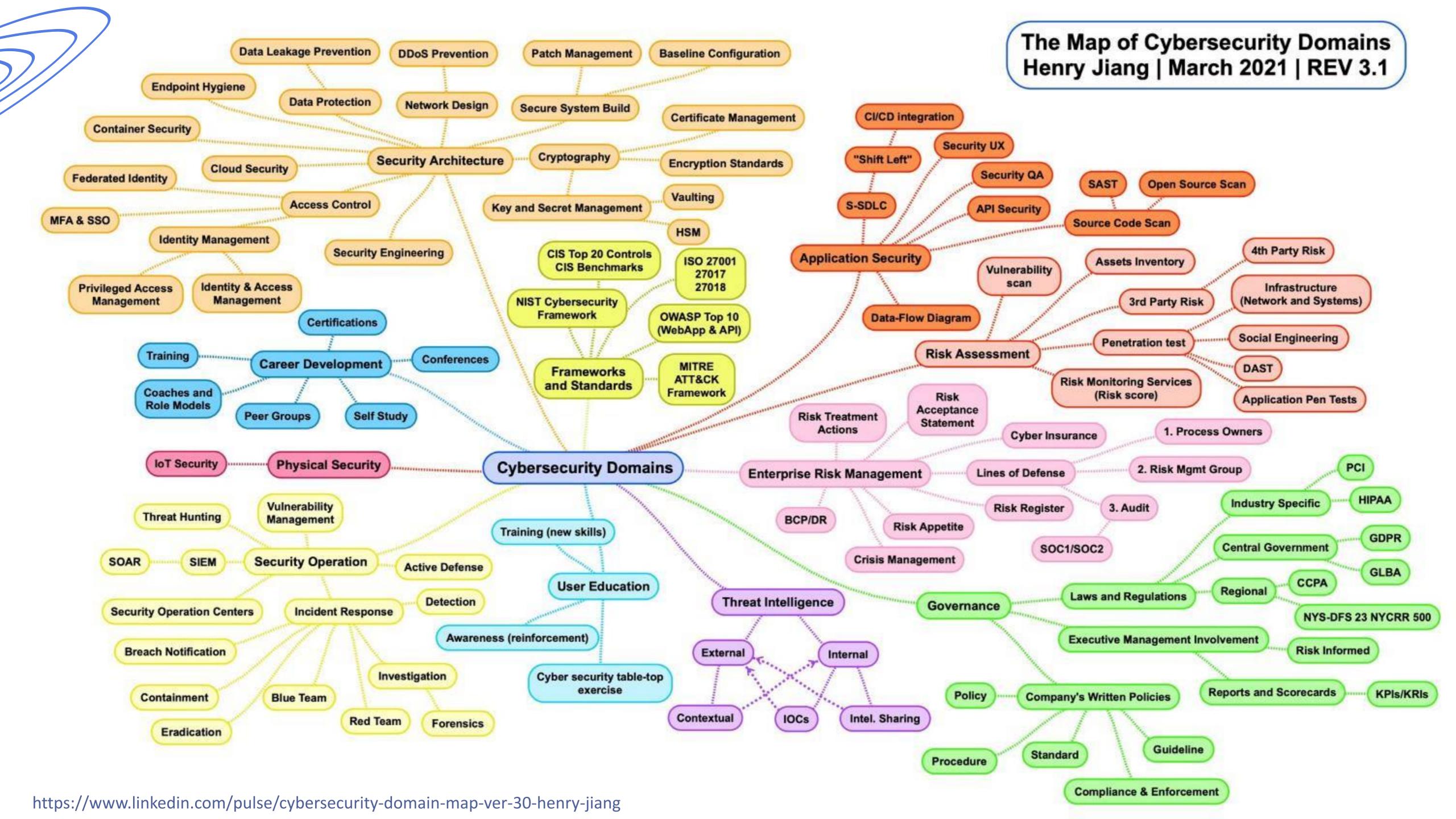
ENGINEER

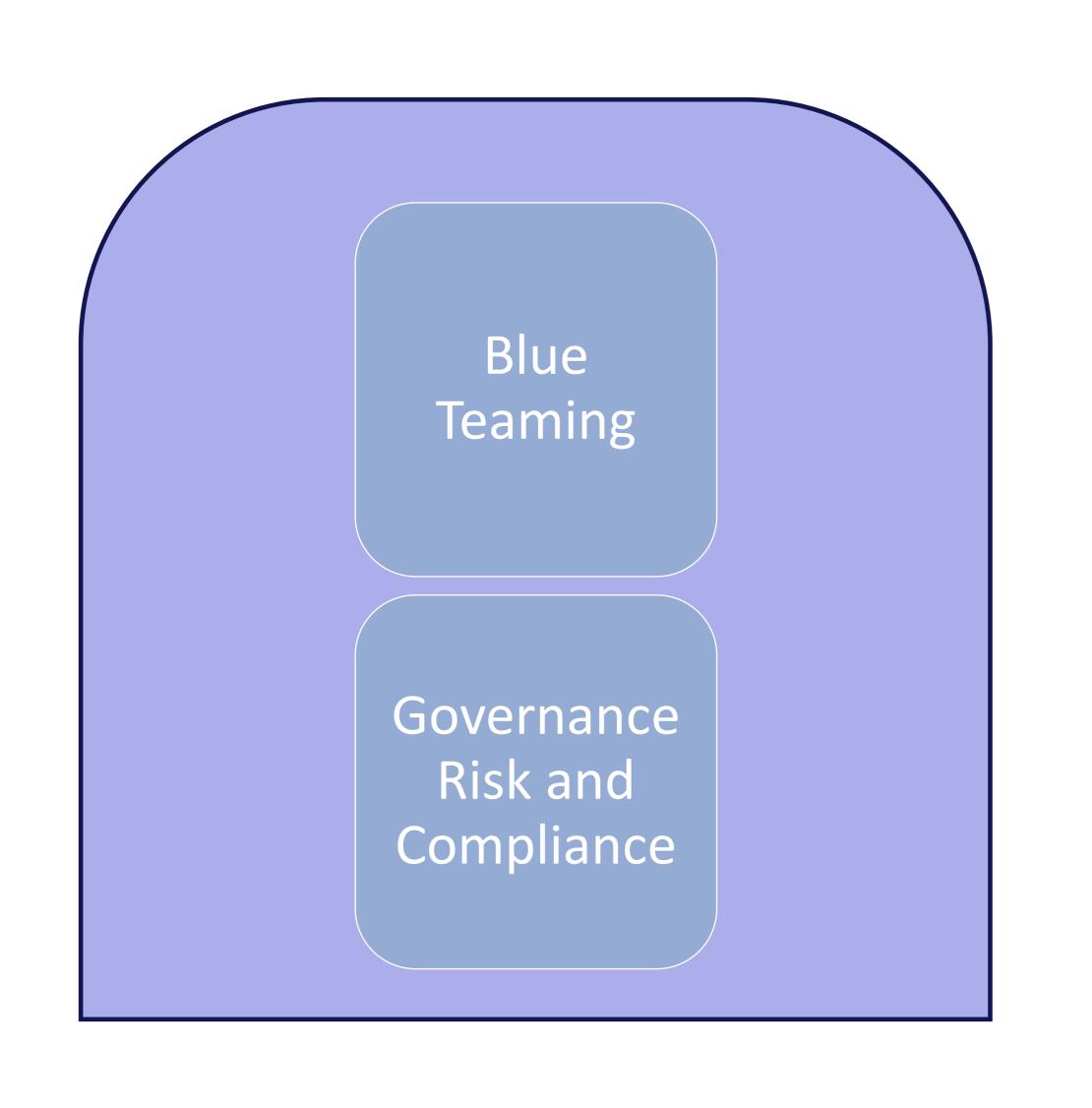
Designs, implements and maintains security solutions.



CONSULTANT

Provides expert guidance and advance on cybersecurity to organizations.





Entry Level Zones

Have to start SOMEWHERE

Most CyberSecurity Roles are not directly accessible from Entry Level.

Entry Level Analyst Roles

Network Security Analyst

Information Security Analyst

CyberSecurity Analyst

Endpoint Security Analyst

Cloud Security Analyst

Threat Intelligence Analyst

Vulnerability Management Analyst

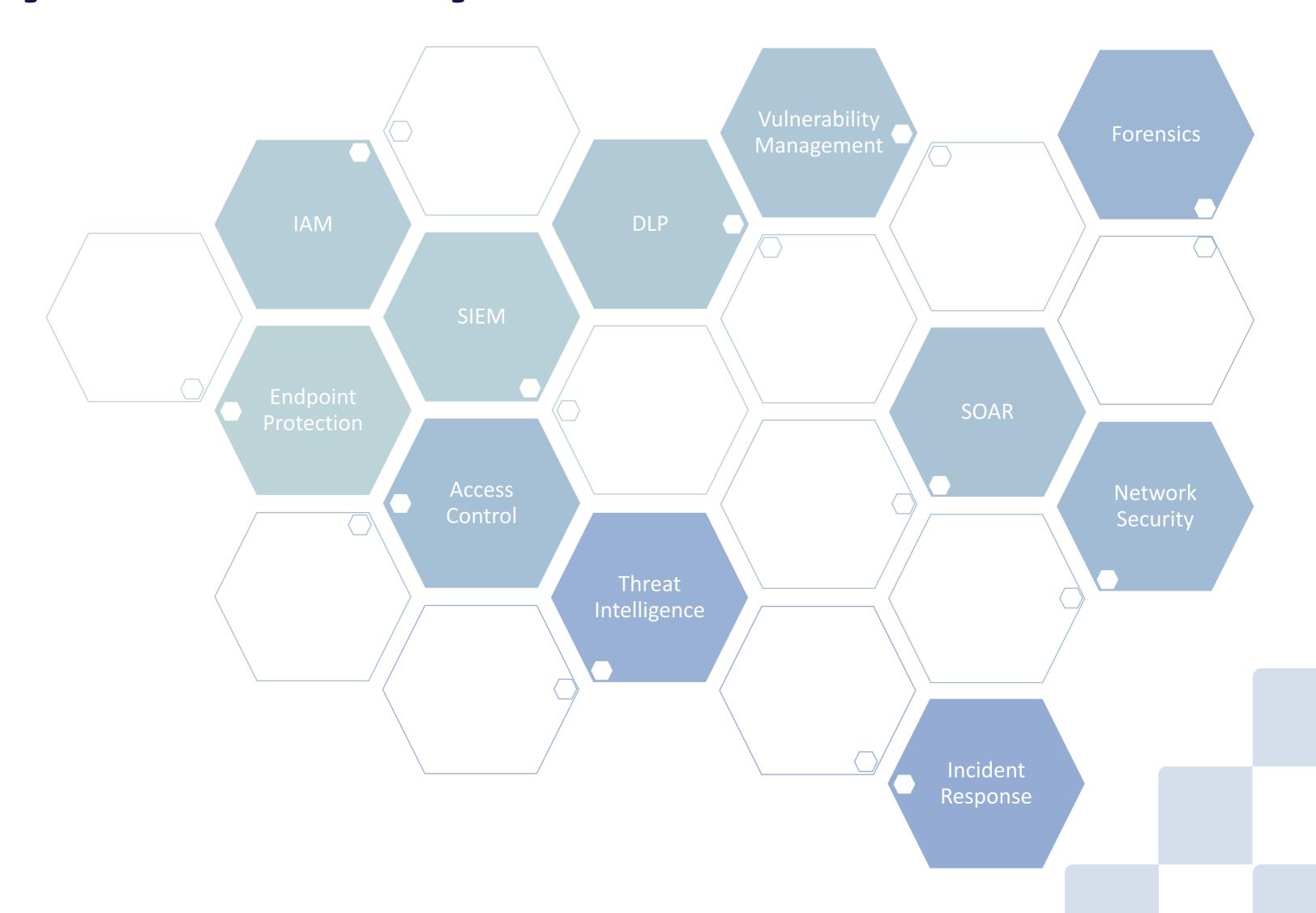
Security Compliance Analyst

SOC Analyst

Incident Response Analyst

Digital Forensics Analyst

Application Security Analyst



Entry Level Engineering Roles

Network Security Engineer

CyberSecurity Engineer

Cloud Security Engineer

Endpoint Security Engineer

Infrastructure Security Engineer

IAM Security Engineer

Incident Response Engineer

Application Security Engineer



Entry Level Architecture Roles

Enterprise Security Architect

Network Security Architect

Cloud Security Architect

Endpoint Security Architect

IAM Security Architect

Zero Trust Architect

Security Solutions Architect

Data Security Architect



Entry Level Consultant Roles

Information Security Consultant

IAM Security Consultant

Network Security Consultant

Cloud Security Consultant

CyberSecurity Consultant

Incident Response Consultant

Digital Forensics Consultant

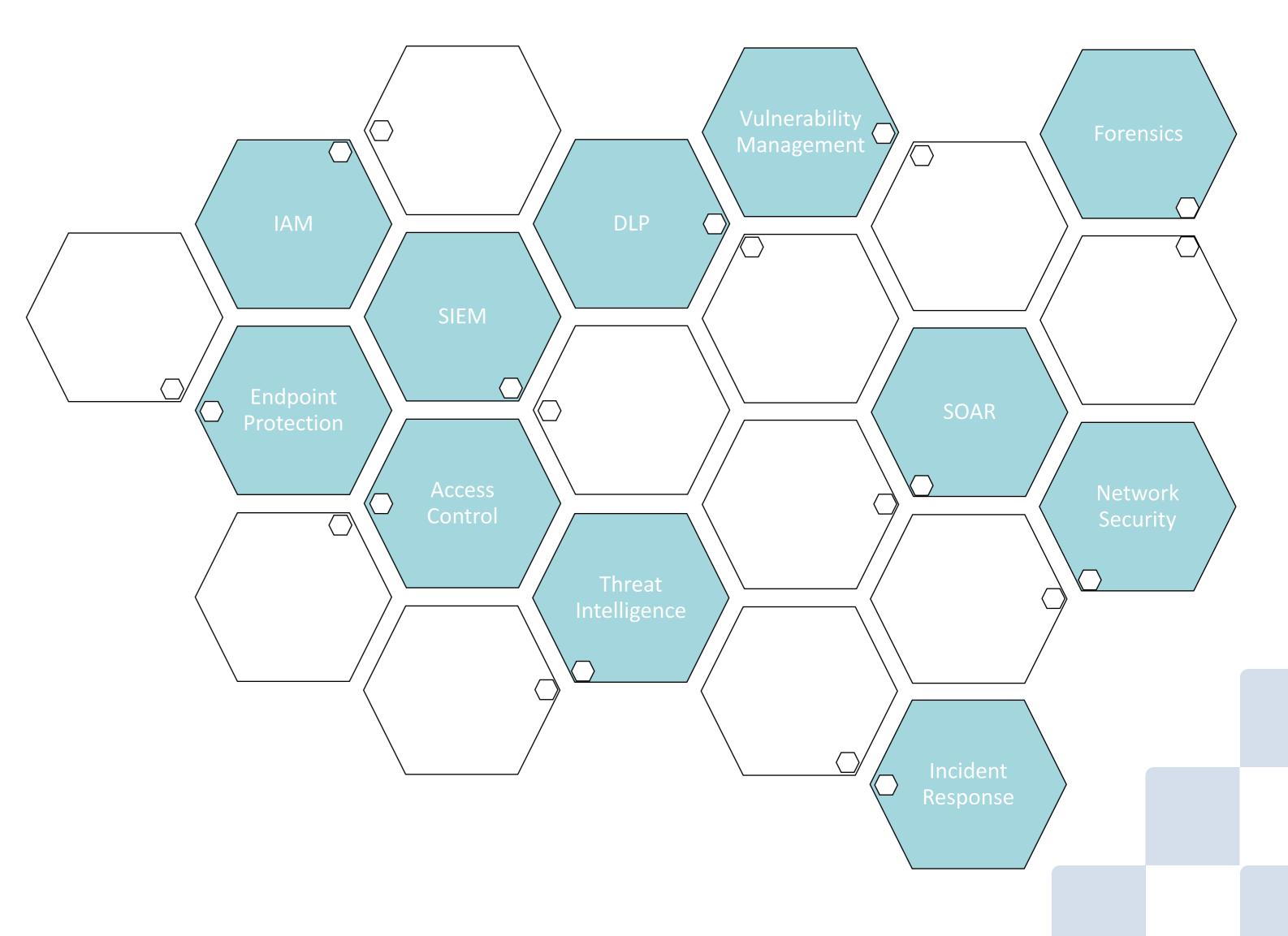
GRC Consultant

Application Security Consultant

IoT Security Consultant

Security Awareness Consultant

Application Security Consultant



Entry Level GRC Roles

Governance Analyst

Compliance Analyst

3rd Party Risk Analyst

Policy & Procedure Analyst

Privacy Analyst

ISSO (Information Security Officer)

Risk Analyst

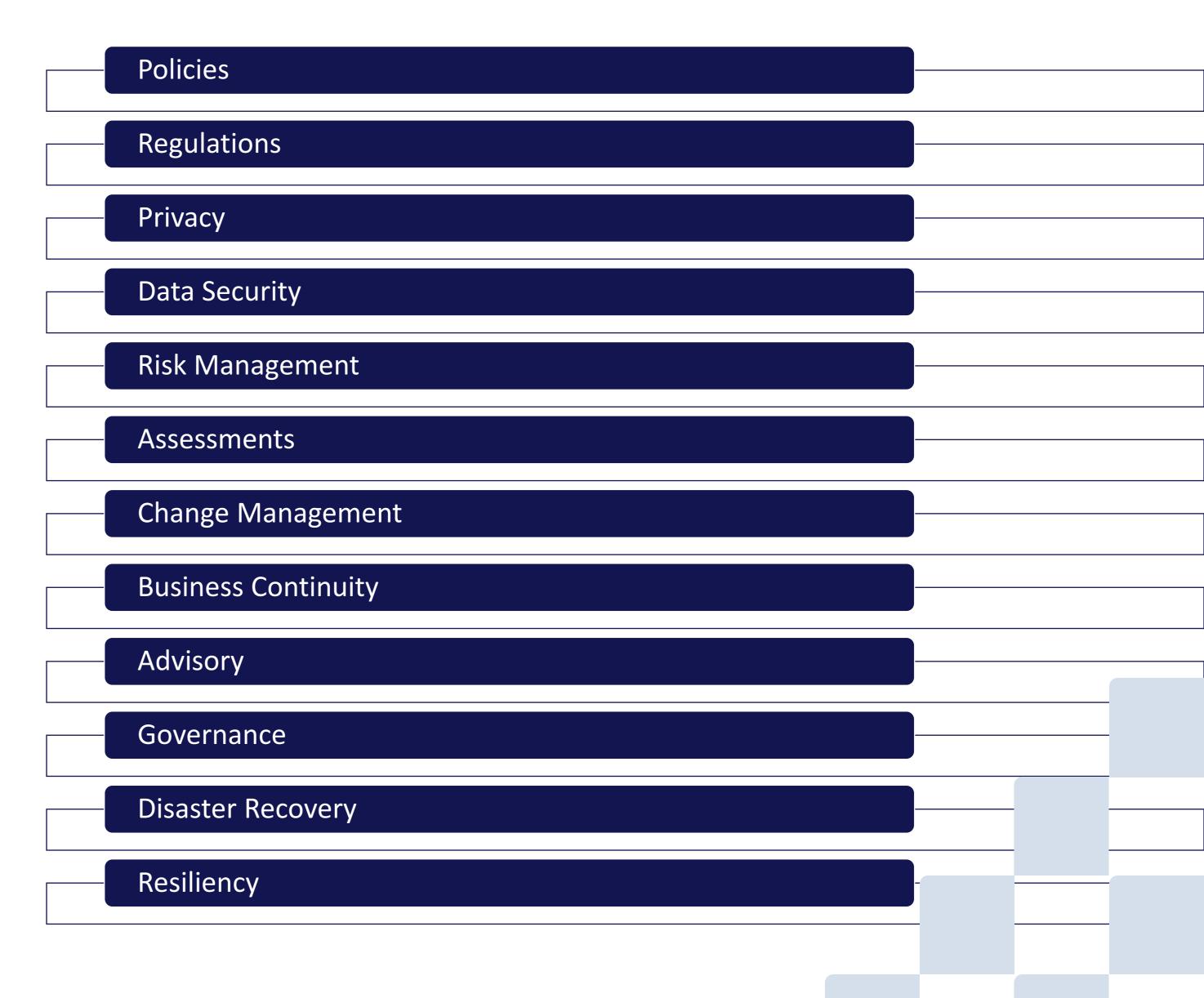
Risk Advisory

Risk Assessment

Service Delivery Manager

Technical Account Manager

Technical Project Manager





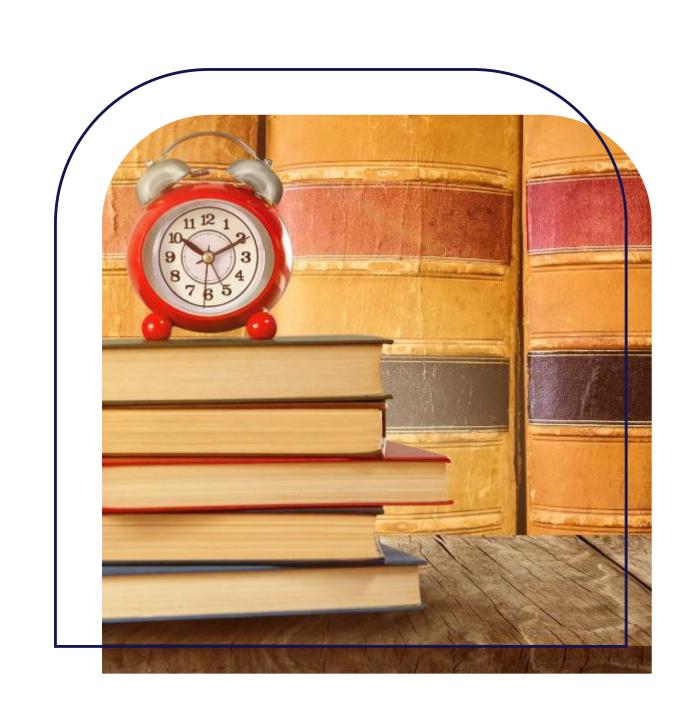
It is clear what CISOs want

PICK a ROLE

After years of first-person engagement with CISOs and hiring managers across the cybersecurity industry, they don't want to see your name on every application they get across the company.

PICK A ROLE

The many paths one can take.







SELF TAUGHT

Skill Development
Flexible
Portfolio Building
Social Networking
Problem Solving

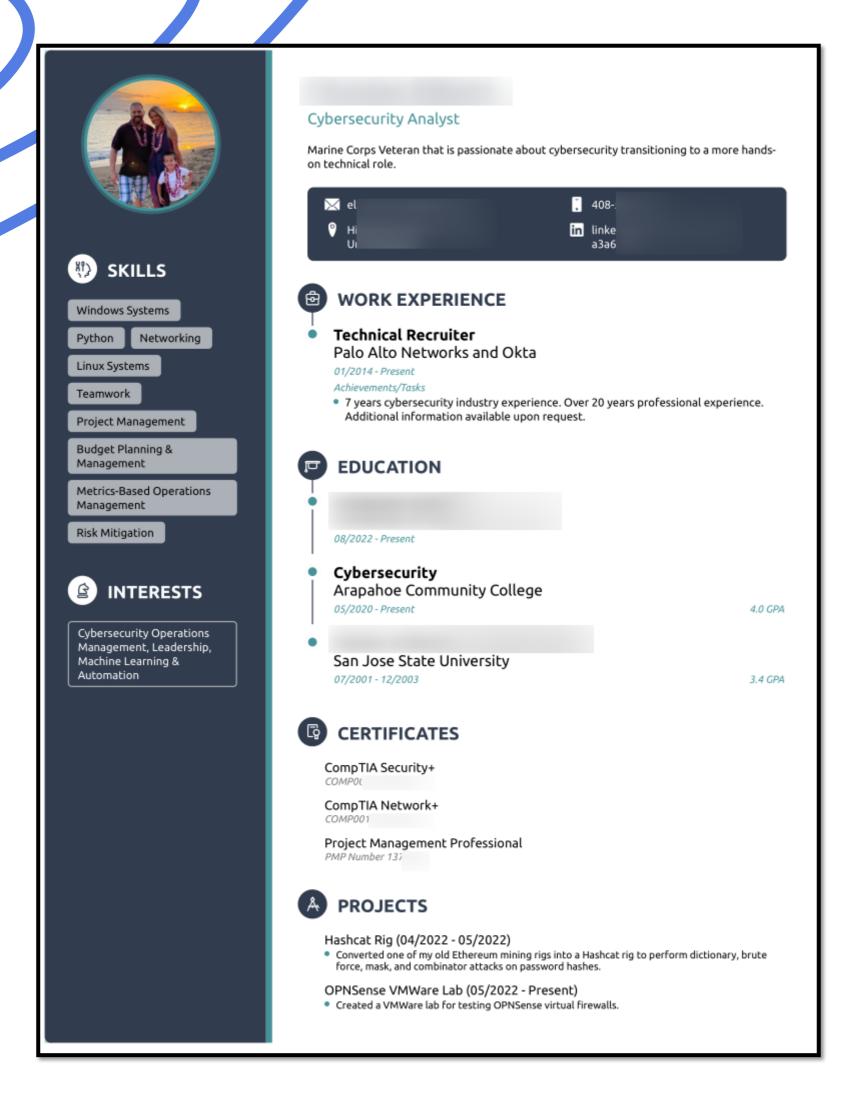
EDUCATION

Academia
Boot Camps
Certifications
Badges
Self-Taught

CERTIFICATIONS

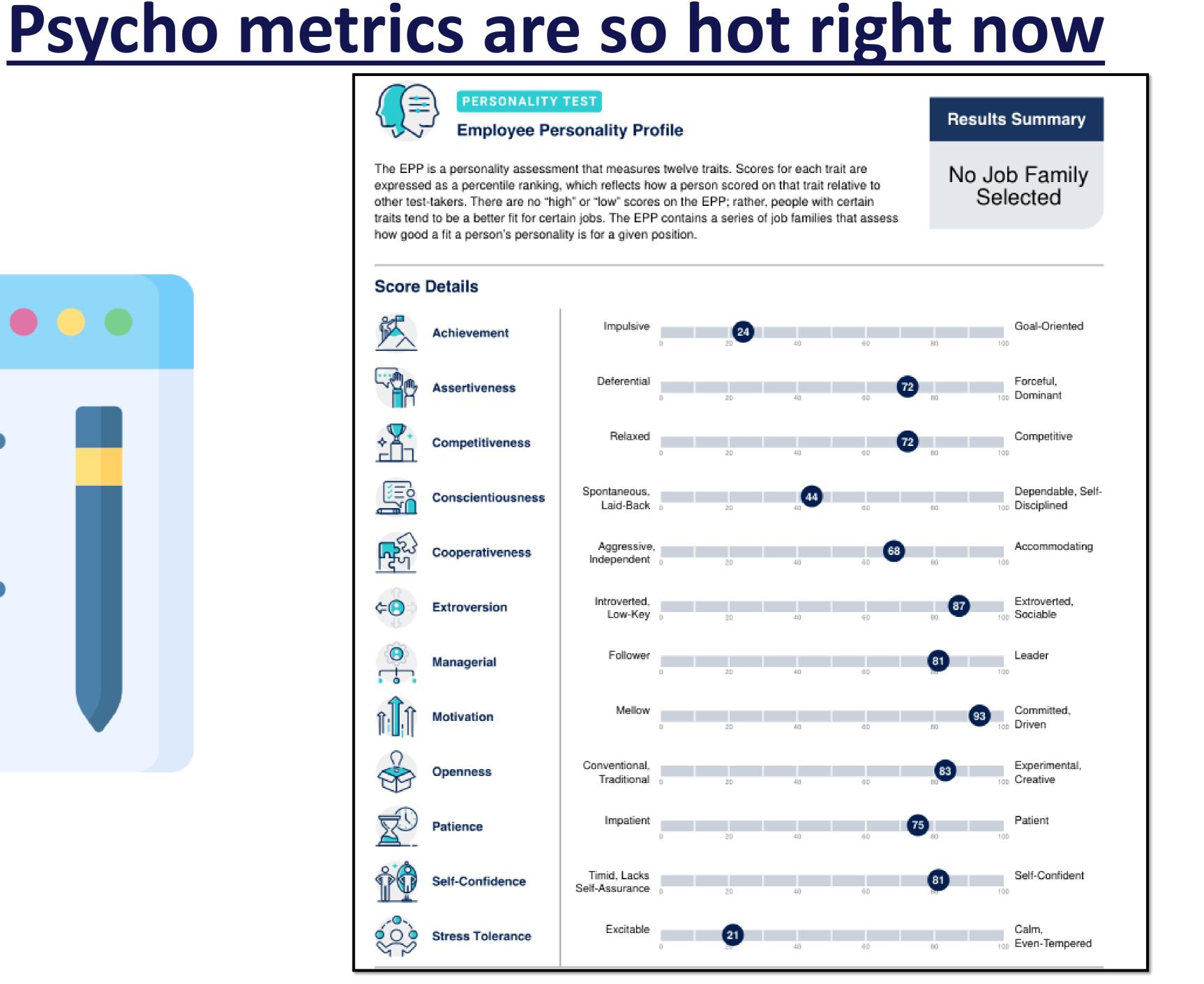
CompTIA Sec+
CompTIA Net+
CompTIA CYSA+
Cloud+ / CCSK

Modern Resumes











Final Words

Control what you can And let go of the rest

While we cannot control the job market, company hiring timelines, or the preferences of recruiters, we can control our preparation, mindset, and approach.



Slides and Handouts available online at:

Thank you

Keep a eye out

Building an entire cybersecurity program from zero to HERO over the next few years.

Comprehensive Program

- Economically Viable
- Textbooks
- Videos
- Hands on Labs
- Tutoring & Mentorship

https://github.com/black-tower/build-cyber-career