BREAKING INTO CYBERSECURITY

TIM SWEET

SENIOR SECURITY ADVISOR, TREASURY

START HERE

Where are you now?

1. Flipping from a ‘0’ to a ‘1’.

2. Leveling up for a career change.

Where are you headed?

1. Corporate or government?

2. What industry interests you? (e.g., Health, Finance, Tech)

DAY ONE SKILLS

A READY FOR DAY ONE CHECKLIST

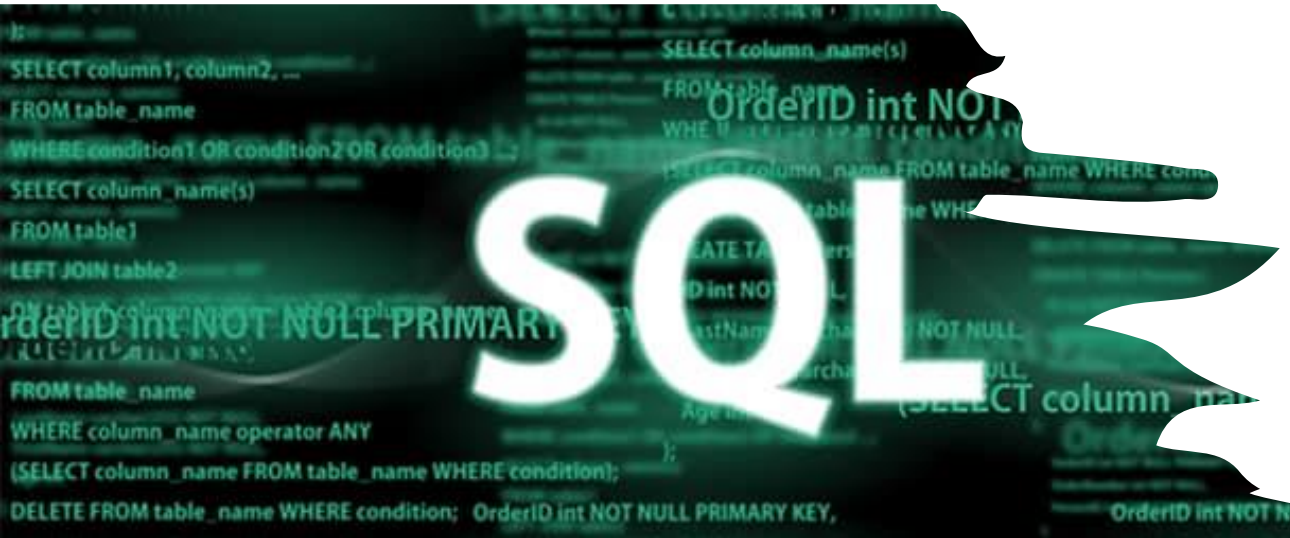
1. Tech skills

2. Soft skills

3. Intent

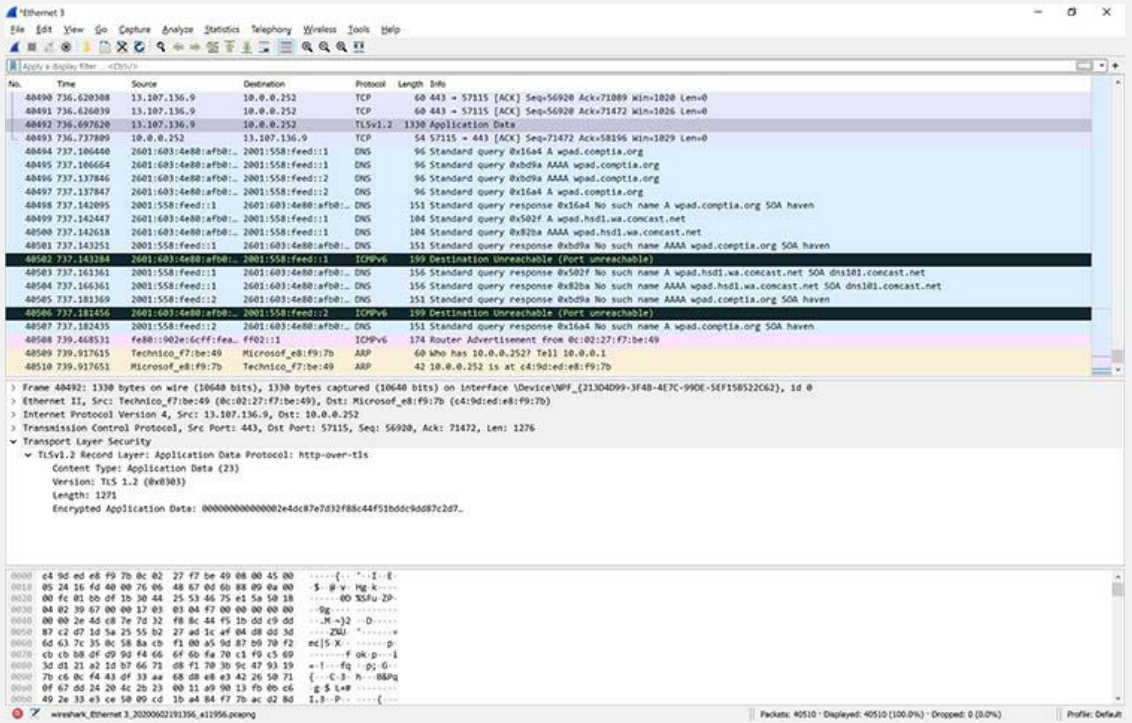
TECH SKILLS

LET'S DIVE IN



BEST LANGUAGES FOR CYBERSECURITY CAREERS

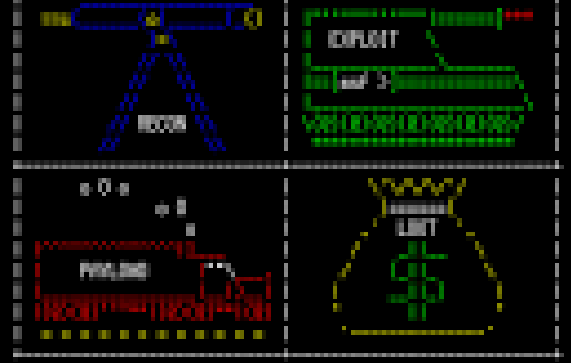
NETWORK SECURITY SKILLS TO DEVELOP



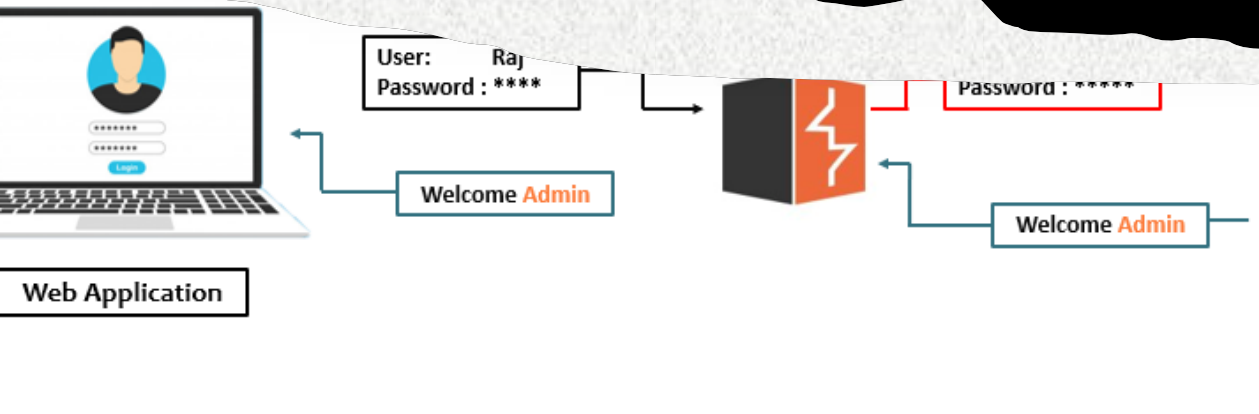
```
msf6 > use auxiliary/scanner/smb/smb_ms17_010
msf6 auxiliary(scanner/smb/smb_ms17_010) > show options

Module options (auxiliary/scanner/smb/smb_ms17_010):

   Name         Current Setting                                  Required  Description
   ----         ---------------                                  --------  -----------
   CHECK_ARCH   true                                             no        Check for architecture on vul
   CHECK_DOPU   true                                             no        Check for DOUBLEPULSAR on vul
   CHECK_PIPE   false                                            no        Check for named pipe on vulne
   NAMED_PIPES  /usr/share/metasploit-framework/data/wordlist    yes       List of named pipes to check
                s/named_pipes.txt
   RHOSTS                                                        yes       The target host(s), range CID
   RPORT        445                                              yes       The SMB service port (TCP)
   SMBDomain    .                                                no        The Windows domain to
   SMBPass                                                       no
```



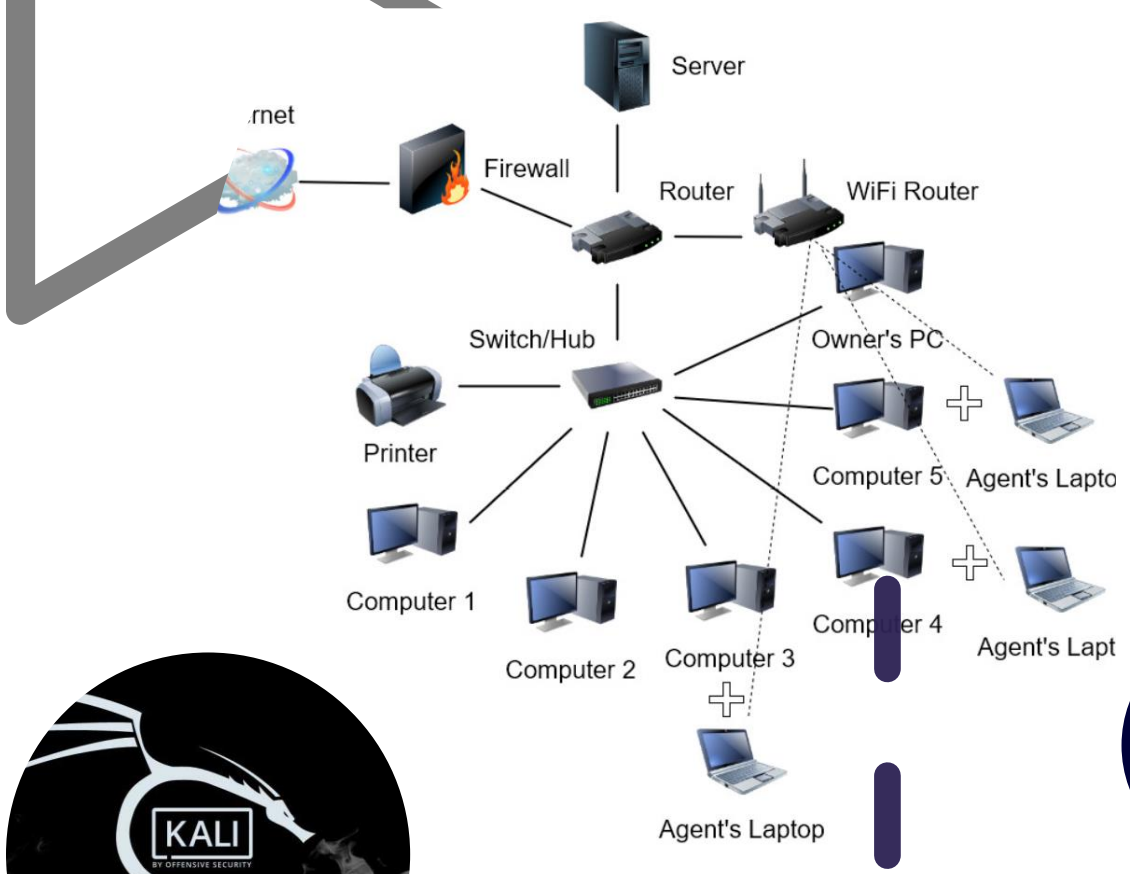
HACKING SKILLS TO DEVELOP



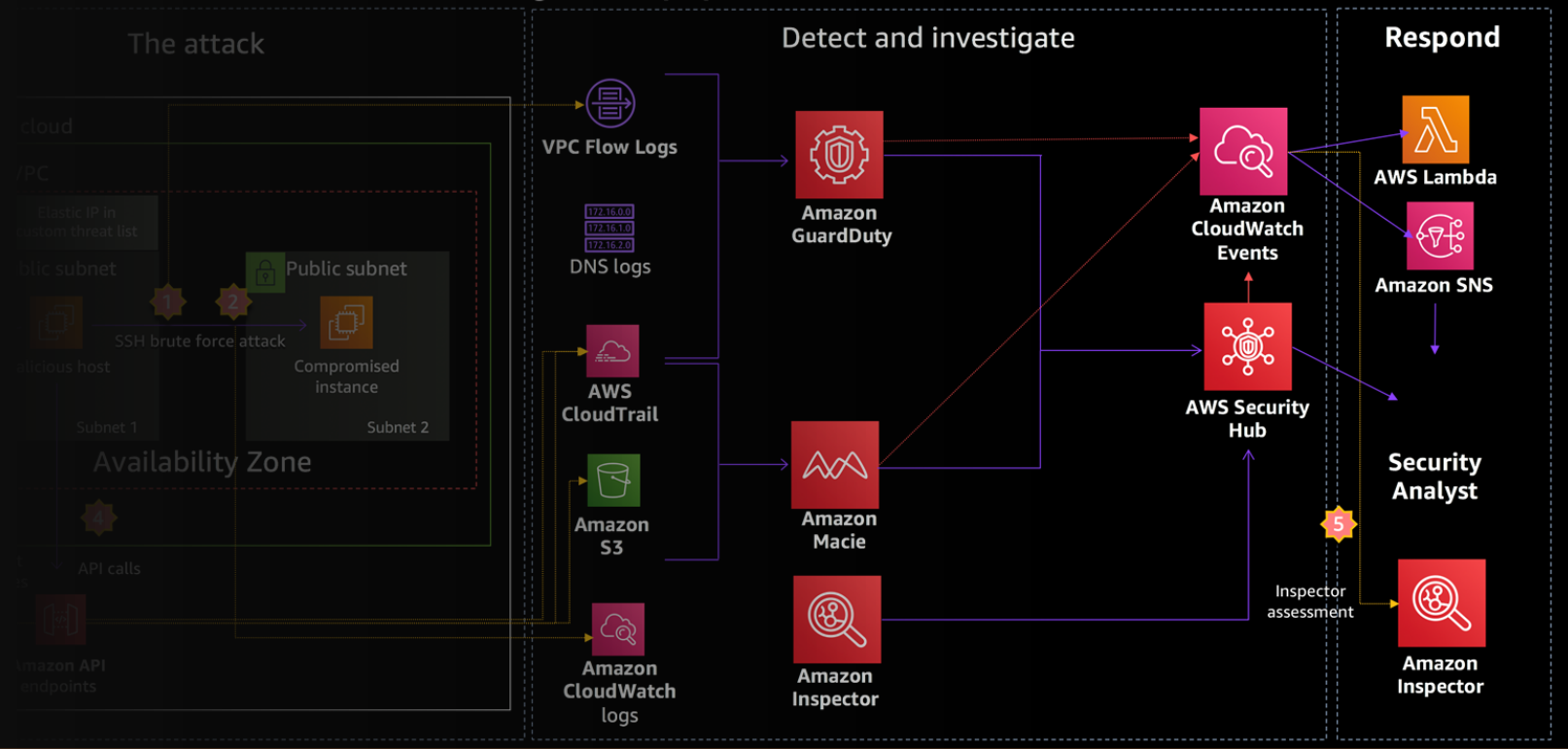
SET UP A BASIC HOME LAB FOR LEARNING TO HACK

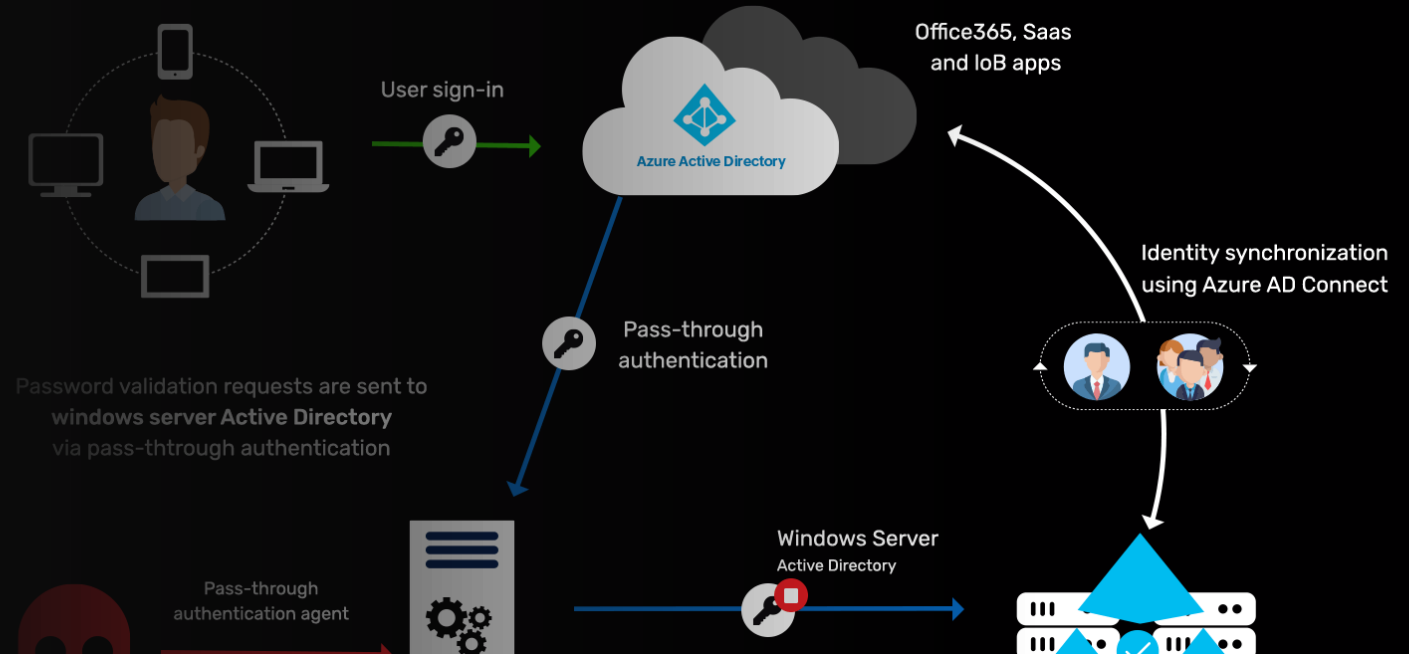
YOU CAN START ON ANY BUDGET

HOME LAB BASICS



CLOUD HACKING LAB





MEET THE TEAM

F l o r a

CISO

L A R I S S A

IT Security Manager

R O M A N

Cybersecurity Analyst

F E D E R I C O

Security Engineer

A L E J A N D R A

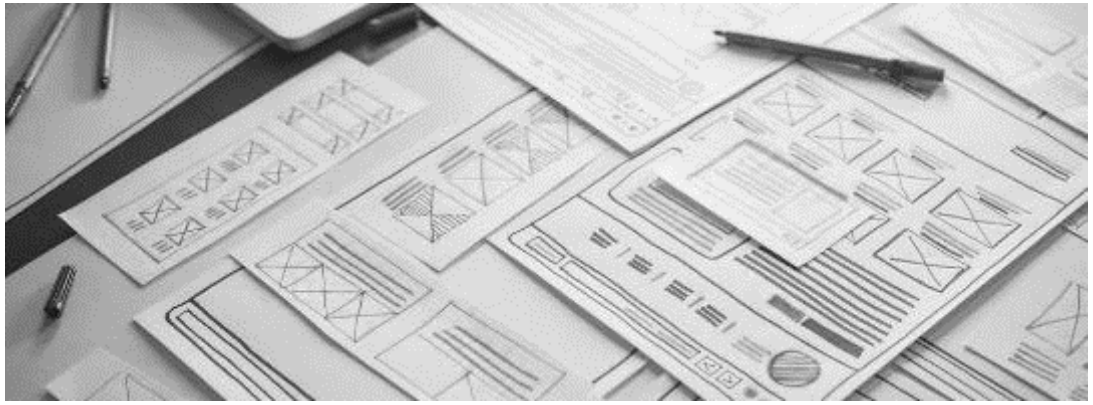
Digital Forensic Analyst

J I M

Security Operations Lead

STANDARDS, FRAMEWORKS REGULATIONS AND LAWS

GOALS FOR 2023?



WORK EXPERIENCE OPPORTUNITIES

- Start a CV – it will get easier!
- Learn about jobs through: Summer of Tech, Direct from company websites, SEEK, LinkedIn, recruiters
- Join relevant clubs and professional associations
- Start networking with intent
- Look for a mentor.

STUDY PRIORITIES

- Learn deeply & procrastinate wisely
- Grades can be important for your first job especially
- Take courses to help you learn about core security concepts: networking, operating systems, databases, APIs, mobile devices, IoT, AI, deception technology, vulnerability management, risk assessments, privacy and security regulations
- Start to build your future professional network at uni.

CYBER CAREER TIMELINE

2023	2024	2025	2026
Earning some stripes Take cyber security courses and relevant IT courses, but also use online tools and tutorials. Build a lab and learn to hack.	**Work experience** You've learnt some good skills, so put them to use. Could you get an internship, or maybe some tutoring work? mentor your grandma or grandpa? Maybe help your auntie with her website security?	**Internship** Of course you will be studying and nailing those assignments and exams, but you'll shoot for a cyber internship.	**Full time permanent role** After all the hard work you now have the career in cyber security. Time to celebrate!

THANK YOU