

# Tessalyn L. Becker

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I am a Cybersecurity Analyst at a managed security services provider, where I apply my expertise in security principles and networking. I excel in identifying potential security threats and have a strong familiarity with various security tools and operating systems. As a collaborative professional, I possess effective team-building skills and am committed to continuous learning to stay current with the latest trends and technologies in cybersecurity.

## *Work Experience*

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### **ReliaQuest, Las Vegas, Nevada — Security Analyst, Tier 1**

From: 06/2023 To: Present

- Performed detailed investigations of security incidents through EDR and SIEM platforms.
- Worked with EDR technologies such as CrowdStrike, Microsoft Defender, SentinelOne, and Carbon Black to proactively conduct remediation on client hosts and servers after detecting malicious activity, preventing further compromise.
- Performed threat hunts in client environments to find and prevent active and emerging threats, including nation state threat actors and Advanced Persistent Threats (APTs).
- Optimized rule logic to significantly increase true positive detection rate of malicious threats.
- Collaborated with clients to provide recommendations for improving security posture.
- Trained new analysts on security analysis procedures to facilitate their integration into the team.
- Periodically assumed the role of shift lead to make team decisions and handle client-facing operations.

### **Security Operations Center, College Station, TX — Student Security Analyst**

From: 03/2022 To: 05/2023

- Conducted analysis of client network activity to identify anomalies that could indicate the presence of malware or threat actors.
- Monitored activity on endpoints, servers, workstations, applications, websites, and other systems.
- Trained new employees on networking concepts to integrate them into the team
- Overhauled internal documentation on security software, technologies and analyst workflows to create a streamlined and comprehensive series of documents to train current and incoming analysts.

### **Texas A&M University System, College Station, TX — Student Technician**

From: 12/2021 To: 05/2022

- Constructed emulated and live networks using Common Open Research Emulator (CORE) to perform security research on methods to secure and improve the Texas electrical grid.
- Simulated cyberattacks in emulated networks to develop defense strategies for securing legacy grid systems.

## *Skills*

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**EDRs** - CrowdStrike, Microsoft Defender, SentinelOne, Carbon Black, Cortex

**SIEMs** - Splunk, LogRhythm, QRadar, Chronicle, Microsoft Sentinel, Devo

**Programming Languages** - Python, C++, C#, Java

## *Trainings and Certifications*

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### **Game of Active Directory (GOADv2)**

- Gained proficiency in penetration testing tools, such as Responder, PCredz, Nmap, Massscan, mitm6, NetExec, and GoWitness.
- Conducted domain and user enumeration using the Impacket suite, Idapdomaindump and BloodHound.
- Examined network shares, domain password policies, and executed password spraying using NetExec.
- Cracked NTLMv2 and Kerberos hashes with Hashcat.

- Executed coercion, authentication relaying, and delegation-based attacks using tools such as ntlmrelayx, Coercer, and PetitPotam.
- Conducted Kerberoasting and AS-REPROasting on vulnerable network accounts.
- Employed Active Directory Certificate Services escalation methods to gain privileged domain access.
- Deployed Havoc C2 framework, generated a malicious Windows payload and executed an implant using SMB.

### **PortSwigger Labs**

- Completed labs related to the following topics:
  - SQL Injection, XSS Injection, XXE Injection, OS Command Injection
  - CSRF, SSRF, CORS
  - Path Traversal, HTTP Request Smuggling
  - Access Control Vulnerabilities, File Upload Vulnerability

## ***Projects***

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### ***VRNexus - A Virtual Reality Solution to Online Classes***

Led a team of 4 students to develop VRNexus, a virtual reality platform enhancing student learning. Project focused on building a framework and creating a cybersecurity course.

- Lead programmer in project development, completed many main features using Unity and C#.
- Solely responsible for organization and version control of repositories on GitHub.
- Served as scrum master, completed the project within 16 weeks.

## ***Education***

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***Texas A&M University, College Station, Texas***

From: 02/2019 To: 05/2023

B.S of Electronic Systems Engineering, Minor in Cybersecurity

GPA 3.6 / 4.0

### ***Relevant Courses***

- Advanced Network Systems and Security
- Embedded Systems Software
- Local-and-Metropolitan-Area Networking