

ANTHONY HANEL

PENETRATION TESTER & SOFTWARE ENGINEER

A self-started Penetration Tester with a background in Software Development, backed by certificates and professional hands-on experience with manual and automated testing. Actively pursuing OSCP and CPTS certifications to develop current skill set further. Prepared to contribute and add value to a cybersecurity team.

WORK EXPERIENCE

Offensive Application Security Analyst | AVP

July 2022 - Present

Citibank, Remote

- Discovered 10% of all high-impact priority vulnerabilities at Citi in 2023 and surpassed all other testers in the NAM region in both the quantity and severity of identified issues.
- Identified the following impactful issues: Remote Code & Command Execution (RCE), XSS, Auth Bypass, Privilege Escalation, SSRF, and HTTP Request Smuggling.
- Performed comprehensive penetration tests with DAST tools; Burp Suite Pro, AppScan, ReadyAPI, SQLmap, and Kali Linux on web applications, APIs, thick clients, and Android apps.
- Conducted code reviews and VAs on internal and SaaS applications using tools like Checkmarx, Qualys, and Nessus.
- Performed infrastructure scanning to identify vulnerabilities and ensure robust security measures using tools like Nmap, CrackMapExec, and Metasploit.
- Created reports and collaborated with application teams to address identified issues and provide actionable remediation guidance.
- Developed several custom Burp Suite extensions in Java using the new Montoya API to improve testing efficiency and capabilities.
- Helped coordinate Private Bug Bounty efforts by communicating with external testers, triaging and retesting, and ensuring issues were remediated internally.
- Helped evaluate new DAST vendors for improving testing capabilities to shift left.

Java Software Engineer | Officer

July 2021 - July 2022

Citibank, Irving, TX

- Led a successful migration from Solr to Elasticsearch for an internal search engine, leveraging Java and Angular.
- Managed a Red Hat Linux VM within Citi's internal cloud, hosting an ELK stack instance and maintaining operations.
- Provided security consultancy, leveraging expertise to guide the team's developers in implementing effective cybersecurity best practices.

Undergraduate Cybersecurity Research Assistant

January 2021 - May 2021

The University of North Texas | Denton, TX

- Created a C++ program utilizing matrix compression techniques to efficiently store social networks as matrices.
- Employed matrix multiplication to calculate centrality, aiding in the identification of super-spreaders in infectious diseases.

ONLINE / SELF-TAUGHT EXPERIENCE

- **HackTheBox:** <https://app.hackthebox.com/profile/329901>
- **TryHackMe:** <https://tryhackme.com/p/ahanel13>

CONTACT

- ahanel13@gmail.com
- [linkedin.com/in/anthonyhanel](https://www.linkedin.com/in/anthonyhanel)
- <https://anthonyhanel.me/>

Certifications

Burp Suite Certified Practioner

May 2023

<https://portswigger.net/web-security/e/c/403e04ff75c79d49>

CompTIA Security+

July 2021

<https://www.credly.com/badges/de5e7090-bd2f-4e86-9a89-b793d9234ed9>

Skills

Programing Languages:

- C++/C/C#
- Python
- JavaScript
- Java
- Ruby
- PHP
- HTML, CSS
- Bash

Frameworks:

- Node.js
- Ruby on Rails
- Xamarin
- React
- Metasploit

Tools & Technology:

- Burp Suite Professional
- Kali Linux
- Nmap
- AppScan
- SQLmap
- Wireshark
- Qualys
- Checkmarx

Education

B.S. Computer Science - 2021

University of North Texas

- Magna cum laude
- Honors College member
- Rosalyn Reades Award 2018
- DoD study program
- Classes focused on Cybersecurity