

John Smith C|EH

Network Security and Python Software Engineer

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A determined leader, backend engineer and Certified Ethical Hacker; a passion for problem solving, application development, network security, Linux, learning, data analytics, and automating tasks with Python.

CYBERSECURITY RESEARCH AND PROJECTS

Cybersecurity Projects:

<https://johnsmithcybersecurityportfolio.wordpress.com>

GitHub: <https://github.com/johnsmith1990/>

Linkedin: <https://linkedin.com/in/johnsmith1990>

EXPERIENCE

Cybersecurity Self Study: Katy, TX — BowTiedCyber LLC

May 2023 - Present

- Python scripting for creating tools, automation of testing processes for running network scans, creating listeners from scratch with the sockets and requests python libraries, result exportation and data conditioning.
- Implementation of a Network Proxy to capture, evaluate, manipulate, and resend application traffic, as well as brute forcing login attempts, dictionary attacks, cookie manipulation, encoding/decoding, function discovery, web parameter tampering, cross site scripting and SQL injection.
- Application of a Network Sniffer for the purpose of capturing network traffic to follow, recompose conversations and filter by protocol, port numbers, IP addresses or other network traffic characteristics.
- Utilization of wireless capturing suites for the purposes of capturing handshakes (WPA, WPA2), IVs (WEP), and creating MITM attacks, Evil Twin attacks, DOS attacks and MAC address spoofing.
- Use of exploitation frameworks to search and designate vulnerabilities in systems based on operating systems, version numbers, open ports, traffic filtering, etc.
- Malware analysis on live machines, including first and second stage viruses, ransomware, droppers, and Trojan Horses, for the purpose of creating rules that indicate this infection on the network.
- Incident response and forensic drive analysis.

Plumber: Small Town, KS — Internship inc.

December 2018 - Present

- Spearheaded a team of 5 plumbers in large-scale residential and commercial projects, implementing agile methodologies to ensure on-time, under-budget delivery, and high client satisfaction rates.
- Demonstrated strong leadership in crisis management by quickly diagnosing and resolving complex plumbing issues, reducing downtime for businesses and leading to 95% customer retention rate.
- Utilized advanced project management software to track team productivity, allocate resources, and prioritize tasks, transferring skills highly applicable to tech environments.

KNOWLEDGE & SKILLS

Python ◦ ELK Stack ◦ Automation ◦
Suricata ◦ Agile ◦ Scrum ◦
Application Security ◦ Ethical
Hacking ◦ Traffic Analysis ◦ Network
Detection And Response ◦
Automating Technical Report Writing
◦ Incident Response ◦ Forensic Drive
Analysis ◦ Server Administration ◦
AWS ◦ Beacon Analysis ◦ Virtualbox
◦ CA Deployment ◦ Centralized
Cloud Management ◦ Git ◦ Bash
◦ CI/CD

CERTIFICATIONS

COMPTIA NETWORK+
February 2023

COMPTIA SECURITY+
March 2023

AZURE 900
April 2023

SPLUNK CORE USER
April 2023

EDUCATION

University of Texas at Katy,
Katy, TX: 2019-2021 — Master's
degree in Cybersecurity with
Honours

University of Texas at Katy,
Katy, TX: 2016-2018 —
Bachelor's degree in
Mathematics with Honours

BowTiedCyber Zero to Hoodie
Cybersecurity Bootcamp,
Florida, 2023 — Cybersecurity
Course