

Yousuf A. Quddus

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PROFESSIONAL SUMMARY

A versatile professional combining nearly a decade of experience in IT, full-stack web development, and cybersecurity. Expertise in incident response, vulnerability assessments, and penetration testing, with a strong commitment to protecting digital assets and minimizing risks. A CTF enthusiast recognized for achieving third place in the CyberSci Regionals 2024 CTF in Calgary and first place in the Infected Networks CTF 2024 at SAIT. Advancing my expertise by pursuing the CompTia Security+ and OSCP Offsec certifications.

RELATED EXPERIENCE

Full Stack Developer

Toronto, ON

YSF Consulting

Jan 2023 – Feb 2024

- Developed full stack web applications safely using JavaScript, HTML, CSS, Node.js, Express.js, React.js, and RESTful API integrations, implementing SQL and NoSQL databases with robust CRUD functionality, implementing best security and coding practices.
- Increased client engagement by 60% through security, responsive web solutions, and optimization.
- Implemented security measures for web applications and network infrastructure, reducing vulnerability exposure by 40%.

Administrative Support

Calgary, AB

East Calgary Registry

May 2021 – Jul 2021

- Ensured data protection compliance, reducing fraud risks by monitoring access controls and reinforcing security protocols.
- Managed and controlled access to sensitive systems, minimizing unauthorized access and potential breaches.
- Collaborated with IT support to troubleshoot and resolve technical issues, ensuring minimal downtime and secure, efficient registry operations.

Phishing Link Detector Script

Calgary, AB

Project - <https://github.com/quddusyo/Cybersecurity-Tools-for-Automation/tree/main/PhishingLinkDetector>

- Built a python tool for automating malicious link detection, reducing investigation time by 40% through API-driven static and dynamic analysis.
- Led the development process by breaking tasks into agile sprints, information gathering (reconnaissance), implemented functionality and conducted safe testing procedures, optimized script performance and efficiency.

Web Application Vulnerability Assessment

Calgary, AB

Project

- Performed a comprehensive security assessment of a web application using OWASP guidelines, identified 9 critical vulnerabilities (including SQL injection, XSS, and CSRF), and provided detailed remediation recommendations that resulted in a 40% improvement of the application's security score.
- collaborated with the development team to implement these recommendations, ensuring adherence to secure coding practices and fostering a culture of proactive security awareness.

SKILLS

Security Operations & Administration: Malware Analysis, Post-Incident Remediation, Conducting Reports, Threat Intelligence, Forensic Analysis, Data Protection, Access Control, Compliance Monitoring (NIST, GDPR). SIEM (Splunk, Elastic), MS Office Suite, Virtual Machines: Windows (administration and security hardening), Linux (Ubuntu, Kali, Fedora, Parrot, Dragon – command-line proficiency and troubleshooting).

Penetration Testing & Vulnerability Assessments: Nessus, OpenVAS, Web/Mobile Security, Phishing Simulations, Social Engineering, Windows/Linux Security Hardening, dynamic analysis, SQLi, XSS, Active Directory.

Cloud Security: AWS (IAM, EC2, Elastic Beanstalk, CLI, DynamoDB, S3, Lambda), IaaS, PaaS, SaaS Models, Cloud Forensics.

Application & Network Security: Firewall Management, Intrusion Detection (IDS/IPS), Threat Detection, VPN, Proxy Configuration.

Security Tools: Burp Suite, OWASP ZAP, Wireshark, Nmap, Metasploit, Sysmon, HxD, ProcessExplorer, Event Viewer

Programming/Scripting: Python, Bash, C, Assembly x86-64, ReactJs, HTML/CSS, JavaScript, PHP, YARA

Version Control: Git.

EDUCATION

Information Systems Security Diploma

Calgary, AB

Southern Alberta Institute of Technology (SAIT),

School of Advanced Digital Technology

Grade: High Distinction

Bachelor of Science in Computer Science

Toronto, ON

University of Toronto (UofT)

PERSONNAL DEVELOPMENT

TECHNATION – Enhancing Cybersecurity Culture and Resilience

Ottawa, ON

InnovateSolutions

Dec 2024

- Developed innovative strategies and tools that promote a culture of cybersecurity in Canadian businesses. (<https://technationcanada.agorize.com/en/challenges/enhancing-cybersecurity-culture-and-resilience>)

3rd Place – CyberSci Regionals CTF

Calgary, AB

Advantus360

Nov 2024

- Secured 3rd place in the regionals CTF among top university and college hackers in Calgary region. (<https://cybersecuritychallenge.ca/en/>)

1st Place – Infected Networks CTF

Calgary, AB

Southern Alberta Institute of Technology (SAIT)

Nov 2024

- 125+ registered participants from SAIT and UofC, received first place gold medal, advancing to the CyberSci regionals. (https://www.linkedin.com/posts/wicysucalgary_ctfskills-ctf-cybersecurity-activity-7259085921705205760-Z8nJ/)

11th Place – Edmonton Besides Cyber Skyline CTF

Edmonton, AB

Northern Alberta Institute of Technology (NAIT)

Sep 2024

- 48-hour CTF, challenges varied from difficulty in 6 domains. 151 questions total and achieved 80.79% (122 questions) completion, received 11th place.