Omkar Raut

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EDUCATION

University of North Carolina at Charlotte Charlotte, NC
Master of Science, Cybersecurity Aug. 2021 – May 2023
- GPA: 4.0/4.0

RMD Sinhgad School Of Engineering Pune, India
Bachelors of Engineering IT June. 2015 – May 2018
- GPA: 3.5/4.0

EXPERIENCE

Security Engineer Intern May. 2022 – August. 2022
Amazon Seattle, USA
- Studied high-severity tactics and techniques from MITRE attacks and mapped them with AWS services that can detect, protect, and remediate an attack.
- Developed a framework to assist internal security teams and developers in finding mitigations, controls, and their location, as well as what data sources are required to identify the technique.
- Utilized a data visualization technique with the Graph Database/Cypher language to develop a framework.
- Mapped 250+ AWS Security Hub Controls to the different techniques and tactics, and gained insights into various AWS services.

Associate Security Consultant Nov 2019 – Aug 2021
Varutra Consulting Pvt. Ltd. Pune, India
- Trained in web application vulnerability assessment and penetration testing, as well as network, mobile application, API and thick client security testing.
- Reported over 100 vulnerabilities and mitigated in the client's infrastructure with a possible impact of $200 million and considerably more; Customer's infrastructures were enhanced and safeguarded, resulting in a $3 million savings.
- Conducted DAST/SAST, ethical hacking, and expertise in exploiting vulnerabilities such as XSS, CSRF, SSRF, Broken Access Control, SQL Injection,Privilege Escalation, XXE and so on.
- Performed client-side and server-side attacks in web applications along with significant hacking countermeasures; also has experience with banking, finance, healthcare, and software industry applications.
- Handled over 30 clients and Implemented security enhancements to the apps, development, and production environments by collaborating with developers and system administrators.
- Experienced in reporting vulnerabilities in a comprehensible document based on their severity and CVSS score.

Associate Security Analyst Nov. 2018 – Oct. 2019
GFI Informatique India Pune, India
- Monitored daily network traffic and analyzed logs using LogRhythm SIEM tool, Research and analysis of IOCs from threat intelligence resources.
- Investigated source of malicious network traffic on the host origin and searched for impacted IPs, domains, URLs, hashes, and blocked it on the Perimeter Firewall.
- Created monthly trend analysis, risk assessment, and incident response time reports utilizing bar graphs and pie charts.
- Provided customers with real-time advice on network configuration, access controls, policies, and attack mitigation procedures, reduced escalation and resolution times by 70% resulting in a $50 million cost savings.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL,HTML/CSS
Security Frameworks:OWASP,NIST,OSINT
Tools/OS:Burp Suite, OWASP Zap Proxy, Namp, Nessus, Nexpose, SQLmap, Metasploit, Wireshark,Shodan, Nikto, Acunetix, Netsparker, MobSF,Postman, Echo Mirage Hijacker, Frida,Widows, Kali Linux
Skills:Information Security, Cloud Security, Cryptography, Security Monitoring, Information Assurance, Multitasking, Teamwork, Problem Solving, Customer Service.

CERTIFICATIONS

Certified Ethical Hacker	OSCP- Onging	Certified Network Security Specialist