

Kaushik Vaida

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2+ Years of Industry experience | Available: Immediately

EDUCATION

Northeastern University, Boston, MA December 2023

Khoury College of Computer Sciences

Master's in Cyber Security, GPA: 3.83/4.0

Gitam University, Visakhapatnam, India May 2020

Bachelor of Technology in Computer Science and Engineering, GPA: 8.6/10.0

TECHNICAL SKILLS

Languages	Python, C, C++, Bash, HTML/CSS, JavaScript, SQL
Tools	Trivy, DefectDojo, Dependency Track, Nessus, Burpsuite, Wireshark, Nmap, OpenSSL, Kali
Technologies	ELK Stack, Osquery, Github Actions, Linux, EBS, Docker, EC2, AWS, Flask, Terraform
Certifications	CEH, RHCSA, AWS Academy Cloud Architecting

WORK EXPERIENCE

Akamai Technologies, Cambridge, MA January 2023 – August 2023

Security Engineer – Coop, Vulnerability Management, Cloud Security

- Engineered and developed a robust Supply Chain security program for the organization using Software composition analysis (SCA) and integrated it into the CI/CD pipeline.
- Performed code, architecture and system design reviews on company's internal software and systems.
- Developed automation scripts using python, that seamlessly integrates with various API endpoints to protect, monitor, and remediate flaws in critical corporate infrastructure.
- Conducted penetration testing, red teaming and vulnerability assessments on the company's internal infrastructure using various scanning technologies like SAST, DAST, Secure Code Reviews and secret scanning.
- Collaborated with development teams to integrate security best practices into the software development process.
- Triaged Vulnerability reports and collaborated with external security researchers and hackers in our organization's Bug Bounty program on Hackerone.

Deloitte, Hyderabad, India November 2020 - December 2021

Cyber Risk - Identity and Access Management

- Provisioned and deprovisioned accounts on Linux Servers using IAM tools.
- Administered a team of 6 with Security Training and acted as a Point of contact with Senior Managers.

Pricewaterhouse Coopers, Bangalore, India May 2019 - June 2019

Penetration Testing – Application Security

- Detected potential threats and vulnerabilities in client web applications leveraging BurpSuite and helped provide optimal business solutions to help mitigate any risks associated with it.
- Spearheaded Application Security initiatives, contributing to a secure software development lifecycle.
- Applied expertise in securing software development environments, focusing on code and system design reviews.

PROJECTS

- **Threat Intelligence Security Solution** - Automated an end-to-end security solution with OpenCTI for Threat Intelligence Sharing and Wazuh for intrusion detection, utilizing Terraform for seamless infrastructure orchestration.
- **Cryptographic Digital Envelope** - Implemented a Secure group file sharing cryptosystem that enacted the CIA triad. OpenSSL enforced a combination of symmetric cryptography, asymmetric cryptography and hashing algorithms.
- **Network Intrusion Detection System** - Developed a machine learning model using a decision tree classifier that analyzes an open source NSL KDD dataset and predicts various types of intrusions based upon previous data patterns.

ADDITIONAL INFORMATION

Pre-Placement offer from Deloitte - Led a team of 3 against the top 13 teams all over India in the Grand Finale of National level CTF competition held by Deloitte. I received a Pre-Placement Offer from Deloitte in the Cyber Risk Market Offering.

Software Supply Chain Security - Delivered an informative presentation on supply chain security to promote awareness.