Survya Pratap Singh

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SUMMARY

Current MS student and Information Security professional with 4.5 years of diversified experience in infrastructure security, vulnerability assessment, threat intelligence, perimeter endpoint security, and development.

EDUCATION

Wright State University - Dayton OH, USA   Aug. 2015 - Aug. 2017(Expected)

Masters in Cyber Security - **GPA: 3.85/4**

Concentration: Cyber Network Security, Host Computer Security, Cloud Computing Security, Information Security and IOT Security.

- Java Programmer Assistant in CS department, for assisting undergrad student with their programming projects.

Srm University   Apr. 2008 - Apr. 2012

Bachelors of Technology – **GPA 3.5/4**

SKILLS

PKI SSL Certificates Management, SSH Keys Management, Firewall Rules Management, Vulnerability Assessment, Threat Intelligence, IAM, Palo Alto Firewall, Venafi, Qualys Guard, SecureAuth, SSL, VPN, IDS/IPS, JAVA, Python, Excel Macros, GitHub, TCP/IP and Kali Linux.

CERTIFICATIONS

CompTIA Security+, Certified Ethical Hacker (CEH V8), Qualys Specialists Vulnerability Management Certified, MCITP -2008 R2, Venafi Security Certified Administrator 16, Oracle Certified Java Programmer (SCJP 6), CISSP- In Progress.

EXPERIENCE

NiSource - Columbus OH, USA   May. 2017 – Jul .2017

Cyber Security Intern – Energy Utility Sector

- Optimization of checkpoint firewall by cleaning up the unwanted firewall rules by using Firemon Security Manager Tool.
- Performed threat analysis by using Palo Alto next-generation Firewall (PA 5050 series).

Southwest Airlines - Dallas TX, USA   Jan. 2017 – May. 2017

Cyber Security Intern – Airlines

- Enhanced security of server to server communication by remediating 50K weak SSH keys with 2048 bits SSH keys.
- Improved security of PKI SSL implementation across various applications by replacing SHA-1 certificates with SHA-256 certificates.
- Performed daily task of rotating, issuing and managing SSH keys and PKI SSL certificates in Venafi Trustworthy tool.
- Coordinated with application owners to understand their requirements regarding SAML integration for user authentication on 3rd party application using SecureAuth IAM tool.
- Automated various manual processes for generating weekly metrics using Excel Macros and PowerShell, which helped in increasing the overall productivity of the team.

Dsw Inc. - Columbus OH, USA   May. 2016 – Aug. 2016

Cyber Security Intern - Retail Sector

- Documented standard operating procedure (SOP) for Qualys vulnerability assessment tool, Tripwire FIM tool, TrendMicro antivirus, CyberArk, and Proof point email spam scanner.
- Coordinated with IT operations team for the patching of Severity 5 & 4 level system vulnerabilities, thus enhancing the overall IT infrastructure security.
- Performed daily task of Ad-hoc vulnerability assessment using Qualys tool, and file integrity management using Tripwire FIM tool.
- Automated Tripwire FIM to automatically generate the tickets for unauthorized changes with respective applications teams which reduced the manual effort for raising the tickets by 85%.

Accenture - Pune MH, India   May. 2012 – Aug. 2015

IT Engineering Analyst – Banking Domain

- Developed a TATC framework for testing of middleware web services using ParaSoft SOA Test tool, which became the standardized framework for SOA testing within the team.
- Performed vulnerability assessment of a web application for JPMC client by using Nessus tool and Burp Suite Proxy and helped them in improving the security of the application.
- Lead a team of 4 quality analysts and trained new team members on SOA middleware testing using ParaSoft tool.
- Received the "*Accenture Financial Services Zenith Propel Award*" at Accenture India Delivery Center level in 2014 and "*Performer of the Quarter*" award in 2013.

ACADEMIC PROJECTS

- DDOS Attack Detection Tool, Social Media Reconnaissance Tool, and Android Weather Forecast application.

LEADERSHIP

- Held a role of event coordinator for Q-Chem event at IEEE National Technical Fest at SRM.
- President of Badminton club at Wright State University.
- Lead an intern team at Southwest for working on the Shuttle services optimization project.