Melchi Salins

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Objective

Looking for a challenging position in the field of Information Security to utilize my talent and training in contributing to organizational goals.

Personal Statement

I believe that my proactive nature and ability to think out of the box will help me design better polices, assess vulnerabilities, mitigate threats and risks, build a dynamic, future-proof network topology and maintain productivity of the environment all at the same time.

Work Experience

Ntranga Solutions Pvt. Ltd, India, Hyderabad, Andhra Pradesh   Sep 2010 - Present

Designation: Information Security Engineer
Responsibilities:

- Vulnerability Assessment of Business critical assets such as Web, Application & Data Base Servers.
- Conduct Routine Penetration test on critical assets as well as workstations.
- Incident investigation and response
- Windows Patch Management.
- Review Windows event logs
- Manage Unified Threat Management System, IDS and VPN connection
- Monitor the compliance of Security policies and process.
- Audit Coordination (ISO 27001).
- ISMS Security Gap analysis.
- Participated in internal audits (IS).
- Writing policies and processes to ensure continued compliance and to determine rigid methods on security.
- Build tools and design controls to automate compliance needs.

Projects:

- **Server Resource Monitoring Tool**
  Role: Project Designer and Developer
  Monitor over all CPU, RAM & VRAM consumption of a Server.
  Monitor same parameters for individual process also.
  Send email alerts in case the monitored parameter cross a defined threshold.
  Cross platform code for Windows, Linux, UNIX & Solaris.
- **Windows Event Log Archiving Tool**
  Role: Project Designer and Developer
  Archive Windows event logs automatically from all servers and workstations to meet certification needs of log retention policy
  Writes the Logs to either a database or a .csv file
  Builds static visual reports of day-to-day activity and emails them to the custodian of the assets

- **Academic Research Project: Race Condition Exploitation on 802.11**   Mar 2009 - Jan 2010

  Role: Project Lead
  Developed the logic for creation and injection of the next data-packet into the wireless network topology.
  Maintain incognizance of attacker by not associating to the Access Point and instead use Layer-2 packet injection techniques to communicate with the victim.
  Project documented at **http://rcx.sf.net**

- **Academic Research Project: Exploiting Vulnerabilities of Two-Fact**   Feb 2009 - Nov 2009

  Role: Project Lead
  Studied the current security implementation of client login system by network traffic analysis.
  Developed Proof-Of-Concept code to demonstrate the exploitation of the vulnerability.
  Reported the Problem to all major Internet Service Providers in India to patch the vulnerability.
  Project is Documented at **http://ijack.sf.net**

Technical Skills

Platforms - Windows, Linux, FreeBSD
Programming Languages - Python, Ruby, C, C++, Java
Scripting Languages - JavaScript, HTML, Nessus Attack Script Language (NASL)
Security Tools - Snort Intrusion Detection System
                  Core Impact
                  Canvas
                  Rapid 7 NeXpose
                  Rapid 7 Metasploit Framework
                  Nessus Vulnerability Assessment
                  Nmap
                  Scapy
                  Linux IPTables
                  WireShark Network Packet level Analysis
                  Aircrack-ng suite for 802.11 Network Vulnerability Assessment and Mitigation
                  W3AF Web Application auditing

Education

Guru Nanak Engineering College   Sep 2006 - May 2010
Bachelor, Computer Science

Little Flower Junior College   Jun 2003 - May 2005
Intermediate, Math Physics Chemistry

Johnson Grammar High School   May 2003
SSC

Achievements

Secured 1st place in the event 'Hackorama'   Sep 2008
A National level Web Hacking challenge, organized by Jawaharlal Nehru Technological University,
as part of the National level symposium, 'Quest, 2008'.

Secured 3rd place in the event 'Binary Pirates'   Feb 2009
A National level "Capture the Flag" network security challenge, organized by BITS Pilani (Goa
Campus), as part of the National Level Technical Fest, 'Quark, 2009'.

Secured 2nd Place in the event 'Paper Presentation'   Oct 2008
A State level technical paper presentation competition , organized by Guru Nanak Engineering
College, as part of the State level Technical fest, 'Technofest, 2008'.

Participated in the event 'Avant Garde'   Sep 2008
A National Level technical paper presentation competition, organized by Jawaharlal Nehru
Technological University , as part of the National level symposium, 'Quest 2008'.

Secured 2nd Place in Inter College Basket Ball Tournament   Oct 2007

Certifications and Training

Certified Ethical Hacker (CEH)   May 2008
E-Commerce Council Certified Ethical Hacker.

Cisco Certified Netowrk Associate (CCNA)   Jul 2008
Underwent Cisco Certification Training at Zoom Technologies, Hyderabad.