

Shashin Upadhyaya

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Professional Summary

Over Twenty years of experience as a cybersecurity solutions architect designing and implementing systems for the United States Department of Defense, educational institutions, and commercial companies to prevent cyber threats. I started working as a network engineer implementing multi-protocol networks transitioning from mainframes to TCP/IP solutions. I became engaged in network security technologies and began designing and implementing systems to address cyber threats. I am a thorough cybersecurity subject matter expert leader able to plan, implement, and optimize systems for organizational needs. I continuously research industry advances in performance and security and deliver exceptional systems with scalable designs.

Skills

- Python
- HTML/CSS
- UNIX Shell
- Network Design
- JavaScript
- Wireshark
- TCL
- Integration Testing
- SNORT

Experience

CEO - Cybersecurity Subject Matter Expert May 2011 - Current
NetARCH LTD., Ft. Meade, MD

- Leads a contractor team designing, testing, and implementing features for a Department of Defense Security as a Service system that protects 2 million users globally.
- Designed a Security as a Service system using Commercial of the Shelf (COTS) Products from Palo Alto Networks, F5 Networks, Juniper Networks, and Splunk. The system is located at 10 Sites Globally, inspecting traffic from the Non-Classified Internet Protocol Router Network to the Commercial Internet.
- Implemented new features for the system to expand cybersecurity capabilities, which include signature creation, TLS protocol decryption, application profiling, and data ingestions for analysts to review.
- Developed and implemented strategic plans to achieve organizational goals.
- Identified qualified personnel to help expand the contract to fulfill new cybersecurity requirements.
- Expanded the coverage to inspect 100% of all TCP and UDP Ports.

Cybersecurity Solutions Architect – DISA WCF October 2009 - May 2011
Sun Management, Arlington, VA

- Designed the DISA WCF Solution, awarded to CGI Federal Sun Management Team in Oct 2009, using Palo Alto Networks, Juniper Networks, F5 Networks, and Splunk vendor products.
- Led a team of engineers to implement the solution to Fully Operational Capability by Feb 2011.
- Trained Tier-2 support team on solutions.

Lead Cybersecurity Engineer August 2006 - October 2009
Sun Management, Arlington, VA

- Provided technical consulting for various clients within Federal and Commercial Enterprises.
- Performed Presentations of leading-edge security and network technologies.
- Supported customers with technical issues.

- Prepared network equipment for testing and evaluation.
- Automated network security policies to protect sensitive information.

Senior Systems Engineer August 2002 - August
2006
Karta Technologies, USAF HQ SGRIT, Arlington, VA

- Led a team of engineers deploying IP-based call center solutions at medical treatment facilities for the Air Force Surgeon.
- Developed, managed, and executed DOD processes to deploy systems, which include Security Technical Implementation Guides (STIG) compliance, obtaining accreditation, testing, and deployment.
- Implemented performance metrics tracking capabilities to monitor overall system effectiveness post-deployment.

Senior Systems Engineer November 1999 - August
2002
Alcatel Federal, Reston, VA

- Integrated IPEC VPN products with Entrust Certificate Authority to deliver certificates to IPSEC VPN products using SCEP
- Executed technical presentations to prospective clients.
- Demonstrated many different voice and data products to customers.

Senior Network Engineer November 1998 - November
1999
EDS – DoD Pentagon, Arlington, VA

- Implemented initial firewall network designs at the Pentagon.
- Supported and maintained the Pentagon's network infrastructure.
- Evaluated and recommended different commercial data products depending on requirements.
- Performed network troubleshooting to resolve problems.

Network Engineer May 1997 - June
1998
Signal Corporation – Patent and Trademark Office, Arlington, VA

- Participated in designing and implementing The Patent and Trademark Organization's information technology network.
- Designed WAN network tying in remote locations to the central hub using frame relay.
- Provided a routed network to implement Microsoft and Novell file sharing and print services using TCP/IP and IPX/SPX.

Network Analyst July 1996 - May
1997
Hughes Information Technology Systems – United States Navy PEO(CU), Arlington, VA

- Operated and maintained general service network infrastructure with associated troubleshooting and managing network routers, switches, encryptors, and firewall configurations.
- Investigated system logs and alerts to address potential problems before they escalated proactively.

Education

B.S.: Electrical Engineering - The George Washington University, 1996

Certifications

- CCIE #24190
- CCNP Security
- JNCIP #961
- Hyperskill Introduction to Python Certification

- Cisco Certified Specialist - Network Security VPN Implementation
- Palo Alto Networks Certified Network Security Engineer

Clearance

Top Secret DoD