

Tristan Mendoza

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Network Engineer • Over 20 years experience in various DevOps roles

Certifications: EC-Council CHFI and CEH; CCNA Routing and Switching; LPIC-1; Novell CLA/SCA; CompTIA Security+, Network+, Linux+, and Advanced Security Practitioner

Comfortable with C/C++, Python, Bash, others; Pursuing CCNPs, RHCE, and OSCP.

Overview:

- Apple and Microsoft clients and servers (since 1994), Linux and BSD families (since 1999).
- Designing network physical and logical topology; configuring Cisco routers and switches. Troubleshooting the OSI stack; VLSM, IPv6; routing (RIPV2, OSPF, EIGRP, BGP), WAN (PPP, Frame Relay, and VPN); port security and extended ACLs; VLANs, VTP, STP, EtherChannel; Load Balancing; DHCP, NAT; Syslog, SMTP, and NetFlow, etc.
- Implementation of data center virtualization with VMware vSphere (ESXi, NSX, vCenter, vMotion)
- Drafting security policy for enterprise systems and networks, users.
- Firewall configuration; IPTables, ACLs. Implementing IPsec, SSH, and SSL/TLS
- Monitoring traffic with Wireshark, Solarwinds, Nagios, Zabbix, NTOP, etc.
- Vulnerability assessment and penetration testing using the Kali Linux toolset, Nessus, Nmap/ Zenmap, etc.
- Web application vulnerability scanners for testing online services (Nikto, Burp Suite, etc)
- Post-incident forensic analysis using Encase, FTK, Autopsy/ Sleuth Kit, SIFT, DEFT

Goals

Current primary goal to simultaneously obtain two CCNPs (Routing and Design), then capstone with a third: CCNP Security. RHCSA/RHCE and OSCP/OSCE also planned (est. 3-5 yrs)

Certifications Details

- Cisco CCNA Routing and Switching
- Linux Professional Institute's LPIC-1
- Novell Certified Enterprise Linux Administrator (CLA/SCA)
- CompTIA Security+, Network+, Linux+, and Advanced Security Practitioner
- EC-Council CEH and Computer Hacking Forensic Investigator (CHFI)

Priorities/ Mission Statement

Believes it is important to consistently strive to:

- Assess, assimilate new technologies; adapt to challenges presented by innovations or threats.
- Present a proactive, agile, and robust organizational posture, prepared for incident response.
- Maintain, implement policies for improved regulatory compliance and performance baselines.
- Achieve standards of quality in service provisioning and cost management.

Education • Professional Development

Independent Study • Enterprise Linux, Network Systems and Security • 09/2010 - Present

- Personal mission undertaken to update skillset to better suit the modern enterprise with cloud provisioning,
- Expanded upon Red Hat certification topics to also cover Debian and FreeBSD.
- Refreshed network concepts (TCP/IP, subnetting, infrastructure with Cisco), updated on security tools, Kali Linux
- Got to know latest tools (Puppet, Chef, Git) and technologies (OpenStack, Docker, VMware ESXi, AWS)
- In 2015, tried to self-fund exams, and later obtained grant to continue certification.

- Finished as a student in New Horizon's Security IT Professional program with a 4.0 GPA

Employment History

Austin Community College • Psychology, Sociology • Departmental Assistant • 08/2006 - 09/2014

- Facilitated and coordinated operations with approx. 150 faculty members.
- Introduced tracking system for curriculum adoption (no previous accounting existed)
- Set deadline dates preceding College deadline dates to ensure expedited preparedness
- Performed some technical support and troubleshooting for Win XP/7 and Mac OS X.

Texas Radiation Online • Project Director/ Information Architect/ Legislative Advisor • 02/1999 - 05/ 2006

- Policy advisor to Texas House and Senate on radioactive waste policy.
- Writer, researcher and policy analyst. UI/UX designer/developer, website administrator.

Top Drawer/HumanCode/Sapient • Programmer/ Engineer • 05/1999 - 02/2001

- Software developer for Mac and Windows. Object-oriented programming in Lingo (Director) and ActionScript (Flash)
- Intermediate-level Java, C++, SQL, PERL. Began using Linux professionally rather than as a hobbyist.

University of Texas at Austin • Computer Programmer/ Svcs. Asst • 06/1994 - 05/1999

- Primarily supported the doctorate program in Instructional Technology
- Provided consulting and workshops in UI/UX design, project management
- Support the supervision of all labs provided by College including:
 - Network infrastructure and planning. Server optimization and user administration.
 - Maintenance of several hundred workstations. Programmed software distribution templates (rdist)
 - Oversaw and trained lab assistants.