Sean P. Kelly

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EDUCATION

University of Texas at San Antonio
Bachelor of Science in Computer Science (Network Security focus) *May 2006*
Community College of the Air Force
Associate of Applied Science in Electronic Communication Systems. *January 2000*

CERTIFICATIONS

- 2012 (ISC)2 CISSP - Certified Information Systems Security Professional
- 2019 AWS SAA – Certified Solutions Architect - Associate
- 2012 CCNA - Cisco Certified Network Associate (expired)

PROFESSIONAL EXPERIENCE

Marathon Petroleum **San Antonio, TX**
Network Solutions Architect *Aug 2017 – Present*
- Network Solutions Architect team member responsible for network design and engineering for global enterprise network.
- Delivered network security solutions to remotes sites providing network separation between critical network infrastructure and business networks.
- Manage vendor projects for new installations of new network infrastructure and circuits.
- Developed new standards, policies and knowledge documentation for enterprise engineering staff to use in compliance reviews and new network deployments.
- Deployed new infrastructure to hosted Equinix data centers interconnecting AWS and Azure cloud solutions with traditional on-prem data centers.
- Provide advanced troubleshooting for routing protocols (BGP, OSPF, EIGRP), ACI fabric and traditional L2 switching, firewall access, remote access and IPSEC VPNs, SDWAN, DMVPN, Cellular Machine to Machine networks.
- Perform routine internal audits and remediations to ensure network infrastructure meets internal standards and PCI DSS compliance.
- Conduct daily operational maintenance and tasks to ensure network availability, accessibility and reliability metrics exceed business expectations.

Valero Energy Corporation **San Antonio, TX**
Security Engineering Specialist *January 2014 – July 2017*
- Responsible for Valero's security posture to include the internet point of presence, internet DMZs, datacenter networks, remote access connections, small office remote VPN connections, worldwide refining operations, remote pipeline and terminal connections and the user community.
- Project lead assigned to design security architecture for the primary and secondary enterprise internet security stack.
- Project lead assigned to design and implement security architecture for Valero Logistics terminal management systems (TMS) installations.
- Assigned the task of designing and implementing the Cisco ASA platform central management console (CMS).
- Daily operational management of Valero network security devices and tools to include firewalls, VPN devices, F5 and management tools

Collabralink Technologies **San Antonio, TX**
Senior Network Engineer *January 2013 – December 2013*
- Contractor assigned to the U.S. Army Medical Information Technology Center (USAMITC).
- Tier 3 technical lead for the Medical Network Operations Security Center (MEDNOSC) responsible for network security operations, tier 3 network projects and for issues escalated from tier 2 engineers.

- Technical lead for the firewall refresh project migrating Cisco 6500 firewall service modules to Cisco ASA 5500's for Army trauma centers, community hospitals and clinics throughout the nation and overseas locations
- Supervisor for Tier 2 contractors supporting the Medical Network Operations Security Center 24/7 network operation mission
- Provide expert configuration, implementation, troubleshooting, and analysis services to detect and remediate incidents, faults, and outages of the LAN, WAN and top level architecture appliances, devices, systems or services on the Army Medical network. (i.e VPN, firewall, routers, switches, web content filters)

Federal Resources Corporation   **San Antonio, TX**
Senior Network Engineer   *June 2012 – January 2013*

- Ensure compliance with Federal, DoD, U.S. Army, USNORTHCOM and USARNORTH security and IA directives
- Design and sustain a network environment for Government review and approval, TCP/IP, DHCP, DNS, IIS
- Troubleshoot, maintain, and respond to issues regarding technical areas of WAN and LAN, communications and infrastructure equipment, Intrusion Detection Systems (IDS), Firewalls, Proxies, and VPNs in support of a complete system solution.
- Provide support services for the conduct of research, development, design, implementation, monitoring, maintenance and ongoing administration and support of both current and new products and technologies.
- Work in concert with various Department of Defense (DoD) and Army organizations in the design, planning, managing and implementation of the USARNORTH Enterprise Security Posture.
- Participated in security audits for classified/unclassified TCP/IP networks.
- Test and evaluate new and emerging technologies and providing recommendations for implementation in a highly complex multi-service enterprise environment.

General Dynamics C4S   **San Antonio, TX**
Network Engineer II   *June 2010 – June 2012*
- Onsite support for Washington DC clients to install, configure and secure the Defense Advanced Research Projects Agency (DARPA) Secure Wide Area Network and auxiliary systems.
- Onsite support for Hawaii and Florida clients to install secure networks for the Pacific and Central Air Force Commands.
- Implement network security policies, procedures and measures as required to be awarded DISA security accreditation. • Worked daily with network security to collect system audits, syslogs and antivirus logs.
- Configure, install and maintain various Cisco routers and switches in customer classified environments
- Daily management of 750 devices to include IP phones, call managers, routers, switches, type 1 encryption devices, servers, workstations, and GPS receivers.
- Install Cisco voice over IP phones into Cisco Call Manager Express, set up voice mail, and custom user settings.
- Responsible for an implementation of Cisco works LMS 3.2 server, providing routine maintenance, operational configuration changes and network performance reporting.
- Conducted site surveys for military customers that provided requirements to allow remote network connectivity.
- Developed network documentation to include standard operating procedures, network drawings, rack elevations, deployment plans and security design documents for our customers.

Science Applications International Services (SAIC)   **Oahu, HI**
Network Systems Engineer   *April 2009 – May 2010*
- Operational support of Secure Computing Sidewinder firewalls, Fortinet FortiGate 1000C used in a VPN mesh for the U.S. Marin Corps. Operation and maintenance of Cisco switches and routers, Sony ATM switches and KIV-7 long h-haul encryption devices for the U.S. Marine Corps classified and unclassified networks.

Science Applications International Services (SAIC)   **Anchorage, AK**
Network Systems Engineer   *November 2007 – March 2009*
- Maintained computer systems in a WAN/LAN environment and associated peripherals including multiple Unix/Win 2003 servers, routers, workstations, modems, printers, raid and tape drives, operation system administration, installation, configuration and reconfiguration for the Theater Battle Management Core Systems (TBMCS) program.

Sierra Nevada Corporation   **Ballad AFB Iraq**
Field Services Engineer   *February 2006 – June 2007*
- Ballad AFB Iraq. Provided support to Air Force Intelligence, Surveillance, and Reconnaissance platforms deployed to classified locations. Required to implement updates and configuration changes in mission systems to include: SATCOM systems, UHF/VHF radios, digital/analog video systems, data encryption systems, Cisco routers, IP phones and switches and Windows XP workstations that conducted mission operations.
- San Antonio TX. Java software developer assigned to create classes and methods to be integrated into an Air Force software update program. Adapted third party visualizations for statistics and history for integration into network based JAVA projects. Engineering Intern 02/2006-05/2006

Raytheon Corporation   **Kwajalein Atoll, R.M.I**
Senior Technician   *May 2000 – July 2001*
- Responsible for Telemetry missile tracking terminals, mission data collection devices and user LAN. During DoD missions, I was responsible for the setup of mission parameters to collect data from customer telemetry targets, maintain telemetry tracking on target objects as they approach landing zones and process that data for the customers when the mission was completed. During off mission hours, I was responsible for periodic equipment maintenance for the telemetry site. In addition, I was responsible for local user computers and peripherals, LAN devices and the long-haul premise equipment connecting the Islands.

United States Air Force   **Worldwide**
Satellite/Wideband Communications Technician   *September 1992 – March 2000*
- Responsible the operations and maintenance of a wide range of telecommunications equipment. The scope of that equipment included SATCOM earth terminals, mobile SATCOM equipment, wideband line of site stations and towers, radio communications equipment (UHF, VHF, and EHF), Control tower consoles, digital recording systems, small computers and local area networks.