

Sean O'Connell

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Summary

- Data center and cloud services architect and engineer with a background in global-scale internetwork design and implementation.
- An information technology veteran with over twenty years of progressive experience in the industry.
- A well-rounded generalist, capable of integrating multiple domains of knowledge to bring a unique skillset to problem solving and solutions design.
- Expert in Linux enterprise systems engineering, networking, and virtualization at data center scale.
- Web application developer with a DevOps background and experience supporting Agile development teams in the delivery of production code.

Skills

- **Engineering and administering enterprise Linux systems.**
 - Expert in the Red Hat (RHEL/CentOS) and Debian/Ubuntu Linux platforms.
 - Extensive experience deploying Linux-based network application and infrastructure services.
 - MariaDB/MySQL and PostgreSQL database administration.
 - LXC and Docker containerization.
 - KVM/QEMU virtualization.
 - OpenStack implementation and administration.
 - Bash and Python scripting.
- **Designing and implementing Cisco-based enterprise networks.**
 - Expert in IPv4/IPv6 networking, LAN/WAN technologies, and VPN remote access solutions.
 - Cisco routing, switching, wireless, and security platforms (ISR, Catalyst, Nexus, ASA, FWSM, Meraki, Aironet).
 - IOS and NX-OS feature sets, EIGRP, OSPF, BGP, redundancy/failover, VRF, VSS, QoS, MPLS, IPsec, VoIP.
- **Building Internet-facing services and scalable web hosting environments.**
 - Expert in the LAMP application stack, DNS administration, SSL/TLS, load balancing, reverse proxy, caching, and web platform security.
 - Full stack web developer with over ten years of PHP focus. More recent experience with Python/Django and Ruby/Rails. Front-end familiarity with jQuery and AngularJS.
 - DevOps background with configuration management and automation tools including Puppet and Ansible.
 - Experience managing IaaS environments on Amazon Web Services and Google Cloud Platform.
- **Engineering and auditing enterprise network security.**
 - Layered security design, firewalls, IDS/IPS, access controls, and application security testing.
 - Compliance implementation and validation for data security and privacy standards including PCI DSS and HIPAA.
 - Security auditing, penetration testing, incident response, and post-intrusion analysis.

Certifications

Active

- Red Hat Certified Systems Engineer (RHCE) RHEL7

Retired

- Cisco Certified Network Professional (CCNP) R&S – active 2000-2018
- Cisco Certified Design Professional (CCDP) – active 2000-2018

Experience

Contractor and Freelance Consultant

- **Technology Consultant**, POD7, LLC. 2017 to present
Freelance consulting and technology services.
- **Information Security Engineer**, Wells Fargo. 2016 (10 month contract).
Discovery, audit, and analysis of third-party network connections to ensure compliance with bank security policy. Design and implementation of firewall policy changes for production financial applications.
- **Technology Consultant**, Mood Media Corporation. 2014-2015 (12 month contract), 2015 to present (ongoing support).

Transitioned in 2014 from full-time roles to contract and freelance project-oriented work.

Enterprise Architect, Mood Media Corporation, 2012-2014

Engineered and implemented the North American and European data services and content delivery networks, as well as backoffice and hosting data centers in North America and western Europe. Direct report to the Global VP, Information Technology; dotted line report to the Global Chief Information Officer.

Senior Network and Systems Engineer, ORCS Web, 2011-2012

Member of ORCS Web's Architecture team. Provided customer-focused network and systems engineering and implementation services. Designed, deployed and supported internal network, systems, and storage infrastructure within the company's Charlotte data center.

Senior Network and Systems Engineer, Hawkeye Communications, 2008-2011

Responsible for all facets of the operation of Hawkeye's Charlotte, Dallas, and Seattle data centers, as well as a global network infrastructure spanning North America, Europe, and Asia. Engineered and supported a scalable, secure web services environment that hosted mission-critical content for such companies as Microsoft, Cisco, and Bank of America. Worked closely with development teams to tightly manage projects and application life cycles.

Network Services Manager, Northeast Medical Center, 2005-2008

Managed and supported the data center, medical application systems, and wired/wireless data infrastructure of this large regional hospital. Managed a team of seven engineers. Performed the design, project planning, coordination, asset management, and deployment of many large technology-driven initiatives and hospital expansions.

Network and Systems Engineer, Venturi Partners, 2003-2005

Provided technology support and services to Venturi's 130 field offices, as well as engineering and administration of the company's Charlotte headquarters and data center. Managed the company's North American wide area network footprint, Internet edge, and network security infrastructure.

Solutions Provider, Blackrazor, 2001-2003

Performed network, systems, and application support services for a group of customers ranging in size from a small insurance agency to a multinational manufacturing firm. Services included infrastructure design and implementation, technology consulting, network and systems support, and application development.

Consulting Engineer, Westar Technologies, 1996-2001

Architected and implemented Westar's business ISP offering, delivering Internet access and associated infrastructure services to Charlotte-area business customers via leased line and POTS/ISDN dial-up. Played an integral role in building and developing the company's co-location data center, as well as shared web hosting and ASP environments.