Sean O'Connell

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Online version: https://sdoconnell.net/resume/

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 five 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, as well as network engineering and administration.
- Application, automation, and web developer with a DevOps background and experience supporting Agile development teams in the delivery of production code.

Skills

Systems engineering

- Red Hat Enterprise Linux (RHEL) / CentOS
- Ubuntu Server / Debian
- SUSE Linux Enterprise Server (SLES) / openSUSE
- Network application and infrastructure services
- Email and communication services
- MariaDB/MySQL/PostgreSQL administration
- Docker and Docker Compose
- KVM/QEMU virtualization
- Ansible configuration management and automation
- Advanced shell scripting
- LAMP/LEMP stacks
- DNS/DNSSEC administration

Network design and engineering

- IPv4 and IPv6
- EIGRP, OSPF, BGP
- Enterprise LAN/WAN routing and switching
- VPN and remote access solutions
- Cisco routing, switching, and wireless platforms (ISR, Catalyst, Nexus, Aironet, Meraki)
- Cisco and Checkpoint firewall platforms

Development

- Python application development (CLI tools, network automation, Atlassian integration)
- Web application backend development (PHP, Python)
- Jenkins CI/CD automated pipelines
- Varying familiarity with other programming languages (Emacs Lisp, Lua, Groovy, Javascript, C/C++)
- Atlassian JIRA and Confluence
- Agile framework and methodologies (experience with Scrum, Kanban, and Scrumban)
- Developer and maintainer of the **nrrdtools** project (https://nrrdtools.org)
- Personal git repo at https://github.com/sdoconnell

Information security

- Network security platforms (RSA NetWitness, FireEye Email Security, IXIA BreakingPoint)
- Network security design, implementation, and auditing
- Penetration testing, incident response, forensics
- Administration of firewalls, IDS/IPS, log aggregation, RADIUS/TACACS+
- Compliance implementation and validation (PCI DSS, HIPAA)

Experience

Information Security Engineer / Wells Fargo (NSAE) / Charlotte, NC   [2019-2021 / 24 month contract]

Member of the bank's Network Security Advanced Engineering group. Created automation of previously manual procedures for lab environment provisioning and the testing and certification of network security applications. Automation based on Ansible and/or bespoke Python code (varied by application platform). Orchestration via Jenkins and dynamic Groovy-based pipelines. This automation work radically increased testing and certification velocity for multiple network security platforms (reducing 3-4 week timelines to 1-2 days), and facilitated a level of security platform testing that was previously impractical or impossible for the NSAE team.

Technology Consultant / POD7, LLC. / Sioux Falls, SD   [2017 to present]

Freelance consulting and technology services. Project planning, design, and remote implementation for office moves/ consolidations and data center relocation. Remote support, security analysis, and disaster recovery consulting.

Information Security Engineer / Wells Fargo (NSPAE) / Charlotte, NC   [2016 / 10 month contract]

Member of the bank's Network Security Policy Analysis and Enforcement group. Performed discovery, audit, and analysis of third-party network connections to ensure compliance with bank security policy. Designed and implemented firewall policy changes for production financial applications.

Contract Consultant / Mood Media / Fort Mill, SC   [2014-2015 / 12 mo contract]

Infrastructure design and implementation, support of global operations, problem resolution for escalated issues.

Transitioned in 2014 from full-time roles to contract and freelance project-based employment.

Enterprise Architect / Mood Media / Fort Mill, SC   [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 / Charlotte. NC   [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 FFWD Ltd. / Charlotte, NC   [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.

Network Services Manager / Northeast Medical Center / Concord, NC   [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 hospital expansions.

Network and Systems Engineer / Venturi Partners / Charlotte, NC   [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 / Charlotte, NC   [2001-2003]

Performed network, systems, and application support services including infrastructure design and implementation, technology consulting, network and systems support, and application development.

Consulting Engineer / Westar Technologies / Charlotte, NC   [1996-2001]

Architected and implemented Westar's business ISP offering and co-location data center, and provided technology support services and consulting to the company's enterprise and SMB customer base.