

SPENCER RYAN

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SUMMARY

Highly motivated Computer Engineer with 9+ years of full-time equivalent experience in operations and software engineering seeking challenging opportunity. Capable team player with great internal and customer-facing communication skills. Willing and able to do what it takes to deliver results and drive success.

EXPERIENCE

Arbor Networks, Inc.

Jan 2015 - Present

Ann Arbor, MI

Senior Systems / Network Administrator

- Replaced an end-of-life/end-of-support Cisco L2/L3 infrastructure with multiple single points of failure with a fully redundant (N+1) Arista design, including leveraging vARP for first hop redundancy.
- Deployed end-to-end dual stack enabled IPv6 through the enterprise, including public internet and MPLS site to site links.
- Implemented a common, secure (802.1x) wireless network across all of our sites worldwide.
- Migrated several hard to use and non-integrated DNS, DHCP and IPAM management systems into a new InfoBlox deployment greatly reducing the time needed to make changes for internal users.

Miller Canfield Paddock and Stone, P.L.C.

Apr 2012 – Dec – 2014

Detroit, MI

Systems Engineer / Systems Administrator

- Responsible for server infrastructure in 20+ sites around the globe supporting 800+ users.
- Backup escalation engineer for voice services.
- Primary VMWare admin supporting 300 Virtual Machines.
- Implemented a VMWare View VDI pilot to replace several aging remote access solutions, with plans to roll the pilot out to internal users in 2014.
- Implemented a common WiFi infrastructure in all of the offices that provide a RADIUS backed secure network for firm computers and a WPA2 secured guest network for visitors.
- Interact with vendors on Infrastructure projects from the RFP stage through implementation.
- Migrated enterprise storage from one vendor (Equallogic) to another (HP 3PAR) with no service interruption to end users.
- Travel to branch offices to perform hardware upgrades and emergency support.
- Swiss army knife of an admin that can tackle any Information Systems issues that could come up.

Solidica, Inc. *Software Engineer*

Apr 2007 – Apr 2012

Ann Arbor, MI

Systems Administrator

- Single IT employee who was brought in to implement basic infrastructure from scratch. Migrated 50 users from a single Linux desktop server to a Microsoft Active Directory domain, SAN storage and proper backups.
- Main developer writing firmware for embedded vehicle tracking solutions.
- Maintained a network between 30+ customer locations around the US to rapidly and securely retrieve vehicle performance and usage data.
- Administered and was a single point of contact for the development team between our on-premise services, AWS, and dedicated servers at SoftLayer.
- Responsible for 1000+ cellular modems in the field including a private VPN back into our services network.

Haley Mechanical L.L.C. *I.T. Admin*

Jan 2000 – Apr 2007

Dexter, MI

Low Voltage Wiring Tech

- Maintained IT infrastructure for the company, including email and technical support.
- Provided low voltage wiring designs and implementation support for HVAC control systems.

COMPUTER SKILLS

Programming Languages

- Linux/UNIX scripting experience with bash and its associated utilities.
- Embedded C used for Motorola Coldfire MCU systems.
- C#
- PowerShell
- Web programming using HTML/PHP/JavaScript against a variety of platforms.

Operating Systems

- Linux (Ubuntu, Gentoo, Red Hat) - Everyday use, development work, system and network administration.
- Microsoft Windows 2000 through 10 as a daily use and development environment.
- Microsoft Windows Server 2000 through 2012R2 as a daily use and development environment.
- Freescale MQX – Use as a development and target environment for middleware and embedded development.
- VMWare ESXi / VMWare vCenter

Database, Back-end, CMSes, Admin Tools

- MySQL under Linux for development and service administration.
- Microsoft SQL under Windows for development and service administration.
- Apache under Linux and Windows for service design, deployment and administration.

Storage

- Dell MD series iSCSI
- Dell MD series DAS (SAS)
- Dell Equallogic PS series
- HP 3PAR (iSCSI)
- PureStorage

Networking

- Dell
- IPv6
- OSPF/OSPFv3/BGP
- Cisco switching, routing, firewalling, and wireless
- Brocade
- Meraki
- Ubiquiti (EdgeMax, Unifi, and AirMax)
- Arista
- Juniper (Routing + Firewalling)
- Juniper/Pulse Secure VPN gateways
- Layer 2 and Layer 3 MPLS/VPN carrier solutions
- InfoBlox
- Palo Alto Networks Firewalls
- Arbor Networks APS and NSI

Software/Other

- Microsoft Office
- VMWare Workstation/Fusion
- Dell Kace
- Microsoft SCCM/SCOM
- Office 365
- Google Apps
- Amazon AWS