

Siggi Bjarnason

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OBJECTIVE

Leverage over 15 years of IT experience to help organizations manage and expand their networks effectively and efficiently. My core values are accountability, integrity, reliability, drive and productivity. Expertise in routing, switching (Cisco, Juniper, Ciena, etc.) and Network Management/Tooling.

SUMMARY

- Senior Network Engineer with BS in Computer Engineering and over 15 years in the IT industry
- Proven ability to maintain large global networks including, MSNBC.com, Windows Live HotMail, Windows Live Search, Windows Live Messenger, Windows Live Identity (aka Passport), msn.com, live.com, microsoft.com and Clearwire
- Expertise in both Corporate and Service Provider networks
- Expertise in all areas of onsite/remote networking and troubleshooting
- Trained in Kepner-Tregoe troubleshooting methodology
- ITIL Foundation certified
- Very Security and Compliance minded
- Passed CCIE Written, never attempted lab. CCNP level and above skill set
- Current JNCIA and CCNA Certifications
- Very passionate about technology and its proper use
- Enthusiastic about learning new technologies
- Love to solve problems and find solutions to unique and challenging problem
- Based on experience already have a solution to many of the not so unique problems
- Strong experience with architecting, designing and implementing highly available networks with strictly enforced SLA's
- Serious about security and availability of the network
- Constantly looking for opportunities to improve both myself and customers network
- Past server management experience supplements network expertise to allow for a complete end to end understanding of internet service (entire OSI stack)
- Solid understanding of datacenter operations
- Solid experience with Network Management and tooling

TECHNICAL SKILLS

Cisco 2500, 2600, 7200, 7500, 12000, 7600

Cisco Catalyst 6500

Cisco ASA 5520

Juniper EX, MX, and T Series

Ciena 5305 Carrier Ethernet Switch

SNMP Automation

Network monitoring

Capacity Management

Visual Basic Scripting

PHP & Perl Scripting

Spanning Tree Protocol

PBB-TE [IEEE 802.1Qay-2009]

BGP

OSPF

HSRP

Data Analysis & Project Management

TACACS+

RADIUS

Cisco Secure Access Control Server

Ethereal/Wireshark

Microsoft SQL Server

Oracle's MySQL Community Edition

Visual Basic .Net 2008

EXPERIENCE

DENALI ADVANCED INTEGRATION, REDMOND WA

4/11 - current (FTE)

Senior Network Engineer

- Member of their professional services team going to customers sites and solving their issues.
- Was requested by Microsoft to be placed on their account to help them build out their online services using Cisco Catalyst 6500, Catalyst 4848, Cisco Nexus 7K and Juniper MX960.

CLEARWIRE US LLC, KIRKLAND WA

11/09 – 4/11 (FTE & Contractor)

Network Engineer

- As a member of the Core Network Design Engineering worked on design and architecture projects to upgrade existing core network. Also worked with commissioning engineering to build out new sites.
- Worked as a SME representing the Core networking in selection of new tooling.
- SME for one-off legacy networks. Redesigned them to bring more redundancy and manageability to these networks.
- Proposed an alternative to the new high capacity core design that would save the company \$130K per new site without compromise in performance, availability or redundancy.
- Recruited to work as full-time employee after excellent performance reviews as a contractor.
- Developed a device inventory system with Perl, PHP and MySQL to respond to inventory audit requirement that scanned specified network ranges for active devices then used SNMP to gather detailed inventory information on that device.
- Used Cisco 7600, Juniper MX960, Juniper EX series, Ciena 5305

ALASKA AIR GROUP, SEATAC WA

2/09 – 10/09 (Volt Contractor via Qwest)

Senior Network Engineer

- Maintained and operate their corporate wide network including datacenters, terminals and corporate offices. Network consisted of Cisco catalyst 2960 and 3750 switches as well as Cisco 2800 and 3800 routers with Cisco Catalyst 6509 at their core.
- Member of a team that redesigned/re-architecture and upgraded their network using Cisco products including building out a new core with Cisco Catalyst 6509, aggregation layer with 3750 and 2960 at the access layer.
- Redid an upgrade design for their flight operation building that saved the company over 60% over the previous design without compromising features, performance or reliability requirements. Project on hold due budget issues.
- Evaluated new tooling. Installed and configured the selected tools
- Documented their network using Microsoft Visio, including datacenter, operations, corporate network and airport network.
- Participated in the 24x7 on call rotation
- Managed IP addressing via DiamondIP's IPControl as well as DNS entries via Microsoft DNS services and F5 GTM.

CRANE CO, AEROSPACE GROUP, LYNNWOOD, WA

9/08 - 2/09 (Contractor through CDI Corp)

Senior Network Engineer

- Documented and inventoried existing network where none existed using Microsoft Visio
- Implemented Cisco ASA 5520 as Site to Site VPN and migrated corpnet traffic onto it.
- Evaluated devices for new network architecture standard
- Redesigned existing network for improved reliability and stability
- Maintained and operated their entire corporate network as their only network engineer. Network consisted of Cisco 3550 as the core routers and Dell PowerConnect Switches at the access layer.

Network Engineer (02/06 – 09/08) [FTE]

- Performed proactive problem analysis for the network that supports most of Microsoft's internet presence, including Hotmail, Messenger and Windows Update. Analysis used mixture of home grown tools, Network General Sniffers and WireShark. Responsible for providing root cause analysis for any outage that occurred.
- Served as escalation point for the network incident management team
- Served as Capacity Management and switching subject matter expert
- Participated in virtual teams responsible for on-boarding new device and technology including Juniper T-640 and Foundry Switches.
- Participated in security and compliance virtual teams
- Supported one of the largest datacenter networks in the world, with one of top internet egress volumes running on Juniper T-640 at the core and variety of Cisco switches and routers in the none-core parts. Predominately Cisco Catalyst 6509, Cisco Catalyst 4948, Cisco 3800, Cisco 7200, Cisco 7600, Cisco 12000, and Cisco 7500.
- Participated in 24x7 on call rotation

Network Engineer (7/04 – 02/06) [Contractor & FTE]

- As a member of the network incident management team, ensured health and continuity of networks for services that serve hundreds of millions of people around the world, including Hotmail, MSN Instant Messenger, and MSN Search. This network runs on Juniper T-640 at the core and variety of Cisco switches and routers in the none-core parts. Predominately Cisco Catalyst 6509, Cisco Catalyst 4948, Cisco 3800, Cisco 7200, Cisco 7600 and Cisco 12000. Participated in the on-boarding of F5 BigIP 6800 LTM, received 80 hours worth of training and operationally supported them.
- Respond to network alarms across the world and provide remote resolutions to MSN Networking communities in 5 countries on 3 continents.
- Recruited to work as full-time employee after excellent performance reviews as a contractor.
- Team was staffed 24x7 and did not have on call rotation. Worked both 2nd and third shift.

EDUCATION

PACIFIC LUTHERAN UNIVERSITY, Tacoma, WA: *BS in Computer Engineering*, 1994

OTHER:

- Trained in Kepner-Tregoe troubleshooting methodology
- ITIL Foundation certified
- CCNA and JNCIA Certified
- Passed CCIE Written, never attempted lab

MISCELLANEOUS

HOBBIES:

- Reading about new and upcoming Networking topics
- Web development using PHP and MySQL
- Learning Linux, Development methodologies and other IT topics
- Ballroom and Country Western style dancing
- Live Theater and music performances

OTHER:

- President of the Esplanade Home Owner Association Board of Directors since 2007
- Author of Subnet calculator and other tools on <http://www.icecomputing.com>