

MARK HERMSDORFER

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EDUCATION

Indiana University, Bloomington

Bachelors of Science in Informatics

Cognate Area: Business with Minors in Computer Science & Telecommunications

May 2006

EXPERIENCE

Eli Lilly and Company

Senior Engineer, Data Center Networking, Contractor though Apparatus

June 2009 - Present

Indianapolis, IN

- ▷ Manager and technical lead for team of data center networking and application delivery specialists. The team handled day to day network operations of five enterprise data centers and over 2000 applications deployed on F5 BIGIP.
- ▷ Deployed F5 APM to enable single sign-on for Apple iOS devices, transforming client x509 cert into a Kerberos token. Overcame challenges of using s4u2proxy in a multi-forest AD organization with limited trusts between forests.
- ▷ Migration of legacy DMZ environment from BIGIP v4.5 to v10.x. Developed automated scripts to convert configuration syntax and developed iRule to simulate v4.x SNAT behavior on v10.x.
- ▷ Migration of 2000+ applications from Cisco CSM to BIGIP v11.x. Developed scripts to convert configuration. Deployed OSPF RHI for migration of customer environments with minimal impact.
- ▷ Key contributor and application delivery architect for DMZ modernization project. Designed & Deployed new DMZ environments globally that included Cisco ASA, F5 LTM & GTM.
- ▷ Key contributor and application delivery architect for Multi-Site HA project. Leveraged VMware on top of EMC vPlex and Cisco OTV along side F5 LTM and GTM.
- ▷ Developed iRule for device authorization to AT&T and Akamai CDNs. Ported CDN vendor's logic from C to TCL to handle the creation of MD5 and Blowfish based authorization tokens.

Interactions, Inc.

Infrastructure Specialist, Contractor though Apparatus

June 2008 - June 2009

Indianapolis, IN

- ▷ Manager and technical lead for operations & application deployment team. Managed 300+ Linux & FreeBSD servers in addition to Interaction's proprietary software on top of Java.
- ▷ Migration from dozens of T1 based TWDM voice circuits to one DS3 using Dialogic IMG for SIP conversion. Provided greater flexibility in call routing to processing servers.
- ▷ Designed & implemented monitoring system using OpenNMS for both system monitoring with SNMP and application monitoring with JMX.

Eli Lilly and Company

Systems Analyst, Web Hosting, Contractor though Apparatus

June 2006 - February 2008

Indianapolis, IN

- ▷ Supported Websphere J2EE application server cluster and IBM HTTP Server for all external marketing sites.
- ▷ Provided technical consultation to J2EE developers on how to best support the business while leveraging the Websphere platform.

Apparatus, Inc

Systems Analyst

February 2006 - June 2006

Indianapolis, IN

- ▷ Deployed Asterisk based phone system including complex call trees and escalation paths for 100+ users.
- ▷ Budgeted, designed, and deployed Apparatus office network. The network provides roll based network access control for both wired and wireless clients.

TECHNICAL STRENGTHS

Operating Systems

Red Hat Enterprise Linux, Debian Linux, SuSE Enterprise Linux, FreeBSD, Solaris, Windows Server

Network Infrastructure

F5 TMOS including: GTM, LTM & APM, Cisco IOS, Cisco NX-OS, Juniper ScreenOS, Juniper JunOS, Linux iptables & iproute2, OpenBSD PF

Network Protocols

IPv4, IPv6, TCP, UDP, HTTP, SIP, FTP, DNS, OSPF, BGP, SNMP, LDAP

Programming Languages

Perl, Java, C#, Python, PHP, TCL