

Jeff Wasilko

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Leadership Skills

- Management of system, application and service lifecycles, including datacenter migration and consolidation
- Accountable for complex technology projects with budgets of \$1-10MM
- Responsible for providing guidance to management for allocation of \$10-20MM opex/capex budgets
- Vendor relationship management and negotiation for hardware, software, and datacenters
- Self-starter with the ability to work independently or as part of a team
- Strong written and oral communication skills
- A history of consistently delivering projects on-time
- Strong technical leadership skills

Technical Skills

- Design and deployment of large distributed, scalable systems supporting mission-critical services (compute, virtualization, SAN & network) in both private and public cloud environments
- Quick identification and resolution of complex cross-domain problems using various system, application and network tracing tools & techniques
- Application, system, storage and network performance tuning
- Development of system deployment blueprints as part of application on-boarding to ensure each solution supports architecture objectives (availability, scalability, performance & security)
- Capacity planning, utilizing both COTS and homegrown performance monitoring and trending tools
- Proficient with storage hardware including EMC VMAX, VNX, Celerra, Isilon, DataDomain, HPE 3Par, HDS HUS VM, Brocade Switches. Proficient with compute hardware including HPE, Cisco & Dell. Proficient with network hardware including Cisco and F5
- Architectural support for large database environments (Oracle, Vertica, MySQL, various NoSQL), including performance, replication, backup/recovery and troubleshooting
- System and network security, with an emphasis on building systems with minimal exposure
- Scripting (perl, sh, csh and sql) for development of tools to automate repetitive tasks

Work Experience

February 2011—Present **Senior Infrastructure Architect, e-Dialog/eBay Enterprise/Zeta Global**

May 2008—February 2011 **Principal Systems Engineer, e-Dialog/GSI/eBay Enterprise**

Responsibilities primarily include design and ongoing operation of virtual and physical environments supporting multi-channel marketing SaaS product offerings. Significant accomplishments include:

- Designed, built and operationalized multiple datacenters, including a private multi-tenant cloud service to support multiple business units. Also operated in multiple public clouds (AWS and CenturyLink Cloud) and with multiple CDN partners.
- Developed pod-based deployment model for new applications, supporting DR between datacenters for critical applications. Developed orchestration tools to provision/deploy pods automatically.
- Designed and deployed compute and SAN environments supporting OLTP and Data Warehouse database clusters that required more than 10GB/sec throughput.
- Developed automated zoning and storage provisioning toolset to streamline storage deployment across many vendor's systems.
- Developed multi-vendor capacity planning and performance monitoring toolset for storage arrays, EMC Celerra NFS servers and VMware clusters.
- Supported datacenter consolidation project to migrate from 15 down to 2 primary datacenters, working with application owners to understand resources requirements.
- Supported applications and systems teams in onboarding new applications to ensure availability, scalability, performance and security.
- Assisted internal systems team and vendor with configuration and testing of linux multipathd for clusters with large numbers of LUNs and system/array ports, typically with 6000-10000 paths.
- Assisted DBA team with Oracle RAC performance issues.
- Deployed self-service disk-based database backup environment for the DBA team, utilizing Oracle RMAN and EMC DataDomain and Isilon systems.
- Performed storage array upgrades and migrations as part of technology refreshes.

- Acted as escalation point for challenging technical issues with vendors, often requiring development of custom tools to work around vendor issues prior to official solutions becoming available.
- Member of Architectural Review Board and Change Review Board.

March 2005—May 2008 Email Systems Team Lead, Tufts University

Responsibilities primarily included support of university-wide e-mail, anti-spam and calendaring systems for all students, staff and professors. Significant accomplishments included:

- Upgraded campus-wide email environment by deploying new clusters, providing larger mailboxes with improved performance.
- Significantly reduced email backup window through system and performance tuning and deployment of a jumbo-frame dedicated backup network.
- Deployed new Proofpoint anti-spam system, including development of custom provisioning interfaces.
- Automated management of server environment using cfengine.

August 2004—March 2005 Senior Systems Administrator, Wellington Management

Responsibilities primarily included support of Unix production systems as well as guiding infrastructure improvements. Significant accomplishments included:

- Day to day support of large Veritas clusters running on Fujitsu 2000/2500 servers with EMC storage.
- Deployed cfengine to manage system configuration across 3 sites and more than 100 systems.
- Primary owner of development/test/stage environment and corporate systems secure network.
- Secondary owner of EMC TimeFinder/SRDF environment.
- Deployed LiveUpgrade to ease OS upgrades and patch installation.
- Deployed wiki to provide central repository for system & standards documentation. Developed templates for standards documents.
- Deployed console servers to enable remote access to all systems.
- Wrote *Infrastructure Analysis Report* to provide guidance for infrastructure improvements.

May 2004—August 2004 Consultant/Architect, Gryphon Networks

Responsibilities primarily included system architecture design for Email Advisor product. Significant accomplishments included:

- Re-architected system to satisfy requirement for one trackable message per recipient for bounce and opt-out processing.
- Created educational materials for development team on mail standards and message flow in Email Advisor system.
- Assisted sendmail milter developer with performance tuning and RFC compliance issues.
- Provided guidance for server platform selection (both Sparc/Solaris and x86/Linux) and storage platform for production system.
- Tuned sendmail for optimum performance.

March 2003—May 2004 Senior Unix Administrator, TVGuide OnScreen

Responsibilities primarily included operation of Information Broadcasting and IT systems. Significant accomplishments included:

- Deployed cfengine to manage system configuration across 3 sites.
- Designed CVS-based change management utility for cfengine to support requirement for 5-stage rollout of configuration changes.
- Upgraded Solaris 7 & 8 systems to Solaris 9 with minimal downtime using a variety of tools including LiveUpgrade and rsync.
- Migrated name services from NIS+ to LDAP with no downtime. New LDAP environment included replicated servers and automated nightly backups. Documented new account management procedures.
- Troubleshoot day-to-day operational issues involving NIS+, LDAP, NFS, DNS, DHCP, mail and samba.
- Deployed standardized SAN configuration and software distribution across all servers.

March 2001—Dec. 2002 Senior Developer, RouteScience Technologies

Responsibilities primarily included building and supporting perl-based customer support tools and engineering research projects. Significant accomplishments included:

- Designed and built LDAP-backed, web-based Customer Information System. Provided ongoing enhancements with bi-weekly releases.

- Designed LDAP-backed distributed Customer Authentication System for customer-facing Web and FTP servers.
- Designed and built MySQL database for route performance data-warehouse. Wrote perl database driver library for other developers to use to interface with the data warehouse. Designed and built RRDtool-based graphing of data from the data warehouse.
- Designed and built modular Endpoint Collection System to provide data feed to route optimization system. System included modular perl libraries to ease creation of new endpoint filters, as well as support for BerkeleyDB and SQL databases.
- Administered Solaris and Red Hat Linux development systems.
- Supported Systems Administration group by acting as a technical resource on Solaris systems.

June 2000—March 2001 Principal Member of Technical Staff/Senior Unix Admin, Gemini Networks

Responsibilities primarily included building and supporting infrastructure to support launch of new open-access competitive local exchange carrier. Significant accomplishments included:

- Designed, built and managed datacenter, including basic systems and network architecture, rack placement, structured wiring and fibre management systems.
- Designed multiple-ISP log distribution system to support open-access environment.
- Designed Jumpstart install environment that supported 100% hands-off installation of multiple versions of Solaris, all core software and patches. Veritas Volume Manager/File System and DiskSuite installation included automatic configuration of boot disk mirrors and SAN disks.
- Built Oracle and Sun/Netscape LDAP Veritas Cluster Servers and cluster-aware backup tools.
- Designed and built LDAP-based mail-to-pager gateway.
- Assisted with design of centralized software distribution and configuration maintenance system for Solaris 2.6 and Solaris 8 servers, utilizing cfengine, ssh, and rsync, with the goal of identical system installations and installation reproducibility.
- Partnered with storage services provider (StorageNetworks) to design and implement SAN, NFS and backup service. Packaged SAN drivers for hands-free installation and configuration via Jumpstart.
- Acted as part of initial IT group and built internal infrastructure to support company, including internet connectivity, phone system, mail, LDAP, NIS, NFS, Jumpstart and SMB servers.
- Created *Datacenter Standards* document that described standard practices for machine and cable labeling, PCI slot usage, ethernet port usage, structured cabling and disk layout standards.

January 2000—June 2000 Director — Systems Engineering, RoadRunner

June 1999—January 2000 Principal Engineer — Distributed Computing, RoadRunner

Responsibilities primarily included supporting RoadRunner's cable-based broadband internet service and managing a group of 2 Principal Engineers. Significant accomplishments included:

- Led engineering, testing and deployment of mail system upgrade supporting 350,000 mail accounts from Netscape/Sun Messaging version 3.x to 4.1, on time and with no unscheduled downtime.
- Designed software to allow 'roaming' customers to securely access RoadRunner's SMTP servers while using dialup modems.
- Participated in National Data Center design and managed Consolidated Messaging RFP process to design mail system that would scale to support 10 million mailboxes at broadband access rates.
- Developed standards for OS and Application health/performance monitoring for Mail and News servers and managed monitoring application development.
- Supported MediaOne's legacy server environment, including provisioning interfaces, TFTP/BOOTP/DHCP and mail (sendmail, Netscape/Sun Messaging and LDAP).
- Acted as back-line Solaris systems administration support for all Solaris systems in RoadRunner.

June 1996—June 1999 Senior Project Engineer, Sun Microsystems, on contract to MediaOne Express

Responsibilities primarily included support of MediaOne Express/RoadRunner cable-based broadband internet service. Significant accomplishments included:

- Successfully deployed cable modem ISP environment in Amsterdam in less than six weeks from start of project to completion of alpha-test phase.
- Designed, implemented, deployed a second-level e-mail infrastructure to augment existing Netscape Messaging system. Planned unsolicited e-mail (spam) blocking and abuse prevention mechanisms.
- Examined and documented the architecture and performance issues of Netscape Messaging 3.x and LDAP system, and designed next-generation architecture to allow mail infrastructure to scale to 500,000+ accounts per region.

- Designed, implemented and deployed software to allow 'roaming' customers to securely access MediaOne's SMTP servers while using dialup modems.
- Designed, implemented and deployed tools to monitor Netscape/Sun Messaging system performance for use in scalability planning.
- Acted as back-line Solaris systems administration support for all Solaris systems in MediaOne.
- Worked as part of team that performed numerous email system migrations and upgrades, as well as 24x7 support of national mail infrastructure.

May 1993—June 1996 Senior Systems Representative, Autologic Information International

Responsibilities included project management, product integration, system installation & documentation, back-line technical support, technical sales support, and in-house & customer training. Significant accomplishments included:

- Configured, project managed, installed a 7-site, 150+ user Solaris-based advertising creation and tracking system in a complex multi-vendor environment.
- Configured, project managed, installed a 200-user, 2 newsroom newspaper editorial system.
- Configured and installed a 40-user classified ad system supporting over 50 newspapers.
- Troubleshoot highly complex multi-vendor application environments.
- Migration of products from Solaris 1.x to Solaris 2.x.

Education

- Rochester Institute of Technology, Newspaper Operations Mgmt (2 years completed towards BS degree)
- Supplemental training includes: C Programming (Northeastern University), EMC Symmetrix Business Continuity & SRDF Automated Replication, Solaris Internals (Sun Microsystems)

Other Interests and Hobbies

- Board member, Secretary, In-car and Classroom Driving Instructor with COM Sports Car Club
- Two-time overall Driver Champion and 5-time Class Champion with COM Sports Car Club
- Sprint and endurance racing with SCCA and AER at tracks in the northeast
- Member of Dell EMC VMAX Technical Advisory Panel