

Peter D. Jorgensen

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EDUCATION

Boston University, College of Arts and Sciences; Boston, MA
Bachelor of Arts in Political Science; September 2006

TECHNICAL SKILLS

Windows XP/Vista/7	Mac OS X 10.6/10.7
Windows Server 2003–2008 R2	Mac OS X Server 10.6/10.7
SQL Server 2005/2008	MySQL
Internet Information Services 6/7	Apache Web Server/PHP
Active Directory	HP BladeSystem
Windows Clustering	Public Key Infrastructure Encryption
VMware ESXi/vSphere 4.1	LeftHand SAN iQ
CommVault Backup	NetApp Data ONTAP

Key Terms:

TCP/IP, DNS, DHCP, SNMP, iSCSI, SAN, NAS, CIFS, SQL, XML, .NET, C#, PKI, Certificate Authority, CSR, VMware DRS, SMP, HA, HP Systems Insight Manager

EXPERIENCE

Boston University, Information Systems & Technology; Boston, MA
Systems Engineer, July 2010 to Present

After several years in Systems Administration, a realignment of roles divested Engineering from Administration. I was selected to join the newly formed Systems Engineering team to focus on building the University's next generation of infrastructure, to include a multi-site VMware vSphere 4.0 virtual server offering, as well as maintenance and Level 3 support of the existing Active Directory domain.

- Collaborate with Network Engineering team to bring two Cisco Nexus 5010 switches online to create a subnet spanning two datacenters 1 mile apart, thus allowing free movement of virtual machines between the two without service interruption.
- Play a continuing leadership role in migrating an external department into the central IT infrastructure, including moving off of a Juniper-based network.
- Manage HP LeftHand iSCSI storage network, our primary repository for virtual machines.
- Configure HP c7000 Blade Enclosure for use with VMware, from scratch.
- Configure and manage HP VirtualConnect Flex-10 switches on c7000 interconnect layer.
- Collaborate with storage/backup group to enable agentless CommVault virtual machine backups, utilizing VMware vStorage APIs.

Boston University, Information Systems & Technology; Boston, MA
Senior Systems Administrator, August 2009 to June 2010

In the wake of a number of personnel changes and vacancies, I was asked to step up and take primary responsibility for a portion of the organization's servers, including 40 physical and 20 virtual servers (VMware ESX). Actively assisted with a “merge” of resources with other IT groups on campus, to consolidate capital equipment and VMware environments.

- Lead and mentor two-person systems team
- Provide constant feedback as to the stability and robustness of the environment, including advising on short- and long-term investment priorities
- Apply routine firmware updates to NetApp filers, as necessary to maintain service levels and platform stability
- Oversee installation of additional NetApp storage shelves and upgrade to VMware vSphere 4.0 (from ESX 3.5)

Boston University, Information Systems Planning & Support; Boston, MA
Database Administrator; July 2008 to July 2009

With the gradual elimination of development services from my organization's primary focus, I was asked to migrate into a systems administration role. The emphasis was on administration of our numerous instances of Microsoft SQL Server, while also taking on various general server maintenance tasks.

- Managed 15–20 databases, spread across numerous flavors of Microsoft SQL Server (2000, 2005, MSDE in some cases)
- Took initiative in planning a centralized SQL Server 2008 cluster to consolidate a handful of physical servers into a single, two-node cluster that is more easily managed, protected and cooled
- Interacted with application vendors to facilitate this transition
- Streamlined database backup protocols to ensure a restore granularity of 30 minutes (transaction log backups on the hour and half hour)
- Participated in VMware ESX capacity planning and optimization
- Assisted in managing NetApp filer failover cluster, as well as a disaster recovery filer utilizing SnapMirror technology
- Assisted in interviewing and screening candidates for a desktop support opening within the group

Boston University, Information Systems Planning & Support; Boston, MA

Web Developer I; July 2007 to June 2008

Systems Analyst I; August 2006 to June 2007

After starting my career as a junior member of a two-person development team, I stepped into a leadership role after one year. Early responsibilities included providing Level 2 assistance to our Desktop Operations team, to include Active Directory reporting and bulk process batching. After becoming development lead in July 2007, I took on responsibility for several high-visibility projects, including iTunes U and the Office of General Counsel's online Conflict of Interest reporting application. In this role, I became the primary development contact for over 50 administrative and business units within the University.

- Developed BU's initial, proof-of-concept implementation of Apple's iTunes U using the vendor's authentication/authorization API
- Overhauled the university-wide Conflict of Interest application, bringing enhanced reporting and functionality by porting from classic ASP to ASP.NET (VBscript to C#)
- Responsible for oversight of maintenance and standard compliance for dozens of departmental web sites
- Ongoing development resource for ISPS Desktop Operations, assisting with automation of DO workflows for management of thousands of workstations.
- Technical coordination of periodic and one-time mass email campaigns for University entities