

# Jon K. Knutson

## PROFESSIONAL EXPERIENCE

Kroll Ontrack  
Storage Architect

Eden Prairie, MN  
March 2012 - Present

- Define architectural strategy for management of 20 PB of storage
- Research, test, and implement new and alternate technology solutions
- Implement, integrate, and operationalize new technologies
- Designed and deployed Ubuntu MaaS as a proof-of-concept for server deployment configuration automation and asset management
- Designed and deployed lvm/ mdadm data-protection schemes on commodity linux storage servers
- Integrated open-source software defined storage on commodity hardware with monitoring (Zabbix) and configuration automation (SaltStack) systems
- Designed, developed, and deployed successful proof-of-concepts of open-source and proprietary storage products
- Researched, tested, and proposed cost-effective solutions to complex problems related to managing many petabytes of data in a highly available, dynamically changing environment

St. Croix Solutions  
Sr. Systems Engineer

Minnetonka, MN  
March 2010 - March 2012

- Achitected, implemented, and documented complex storage, backup, and DR solutions
- Performed Storage implementations and expansions
- Analyzed customer environments for infrastructure and Disaster Recovery requirements
- Developed proposals for customer backup, disaster recovery, and infrastructure solutions
- Performed professional services for CommVault on a sub-contract basis
- Planned and deployed local and wide-area network solutions
- Planned, designed, and implemented virtual environments with VMware vSphere and View
- Provided customer support and troubleshooting for backup, storage, networks, and replication

Kroll Ontrack  
Storage Administrator

Eden Prairie, MN  
May 2005 - February 2010

- Designed storage provisioning strategy to get unparalleled performance from Near-Line storage
- Deployed, provisioned, and maintained 10 Petabytes of enterprise storage
- Administered and maintained a 2000 port storage area network
- Planned, designed, and implemented migration of 800+ TB of data from RAID6 to RAID5
- Led virtualization effort of more than 400 servers
- Implemented Centera with remote replication for Email archiving
- Led storage consolidation projects for more than 3 petabytes of data
- Architected, planned, and implemented SAN redesign with zero down-time
- Redesigned BURA architecture, schedules, and policies to backup 40+ TB per week
- Planned, designed, and tested 1-off DR plan for specific customer requests
- Analyzed and recommended solutions for new environments
- Designed storage architecture for mobile VMWare environment
- Deployed, provisioned, and maintained 10 Petabytes of enterprise storage

Volt Technical Services  
2nd Tier Support at Rockwell Collins

Cedar Rapids, IA  
September 2004 - May 2005

# Jon K. Knutson

- Migrated user settings and data for 200 workstation upgrades
- Performed 300+ network moves

## **EDUCATION:**

University of Minnesota, Minneapolis, MN  
*Master of Science, Software Engineering*

*May, 2017*

University of Phoenix, Minneapolis, MN  
*Bachelors of Science, Software Engineering*  
*(Java, XML, SQL, .NET, C++ – GPA 3.98)*

*September, 2009*

## **INDUSTRY CERTIFICATIONS:**

EMC Proven Professional – Systems Engineer Accreditation, RecoverPoint Implementation Engineer

VMware Certified Professional - vSphere 4

Commvault Certified System Administrator

Commvault Certified Engineer

Commvault Certified Support

Microsoft Certified Technology Specialist 2008 – Active Directory, Configuration

Microsoft Certified Technology Specialist 2008 – Network Infrastructure Configuration

Microsoft Certified Systems Administrator, Windows 2003

Microsoft Certified Systems Administrator, Windows 2000

Cisco Certified Network Associate

ITIL v2 Foundations

CompTIA A+

CompTIA Network+