

# BRIAN CAHILL

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## *Information Technology Management*

*Employees are empowered as they are given direction and goals without being micromanaged.  
Problems are tackled and solved in economical ways.*

## AREAS OF EXPERTISE

- Management:** Develops personal relationships with employees enhancing morale and comradeship. By working with employees and looking out for their welfare, they are more productive.
- Budgeting:** Driven to find a better way to do things. Has been able to find creative ways to achieve complex results using commodity hardware and software. Also proficient at identifying and making use of enterprise software, hardware and services when they are a better fit with business requirements.
- Linux:** Designed and implemented complex solutions utilizing Apache, MySQL, IPtables, routing, thin clients and email. Comprehensive documentation is completed for future use.
- Windows:** Engineered a database application from scratch with SQL Server and VBA. Can design, install, troubleshoot and tweak DNS, AD, DHCP, Exchange and SQL Server. SSRS is utilized to provide custom reports on business applications.
- Networking:** Strengths include DNS, IP addressing, firewalling, routing, vlans and QoS. Experienced with Cisco, Juniper, Adtran, HP, Dell and F5. Networks are setup using the KISS methodology so they are simple to understand and troubleshoot while maintaining redundancy in design.
- Other:** VMWare, Xenserver, Hyper-V, SAN (Sun, Pillar, Dot Hill), HP/Dell/Supermicro Servers. Enjoys working in mixed environments, eager to master new technologies.

## PROFESSIONAL EXPERIENCE

**Astin Executive Services** - College Station, TX **(2012 - Present)**  
(*Servicing Lynntech, Fibertown, Astin Aviation*)

### ***IT Manager (2012 - Present)***

- Created a plan, identified hardware and software requirements, gained management approval and virtualized the server environment. A DR site was setup complete with replication and backups.
- Started with no experience in MS Dynamics SL. Took ownership of the environment and learned how things worked by researching and resolving issues instead of calling a consultant.
- Planned, documented, tested and pulled off a simultaneous upgrade of the integrated business applications - Dynamics SL, Business Portal, SQL Server, SSRS, Project Server and Service Desk.
- Designed and implemented a Session based virtual desktop environment combined with a unique use of commodity based hardware for thin clients.
- Researched and negotiated a new managed print contract which provided more printing features and functionality while achieving a 50% reduction in printing costs.

**Nexstar Broadcasting Group** - Irving, TX **(2007 – 2012)**  
***IT Manager (2009-2012)***

- Started as a Linux/Network Systems Analyst (9/07), promoted to Administrator (5/08), Engineer (7/08) and then Manager (1/09).

- Configured and implemented the network for centralization of Master Control operations from multiple TV stations. Carrier communications and preparation were completed for all sites as well as the design and implementation of QoS and routing standards to facilitate the project. When all was said and done, broadcast traffic was flowing smoothly across the MPLS network.
- Responsible for planning and implementing a centralized network for 31 locations with redundant routing over MPLS and ISP networks. Resource centralization was implemented using Windows AD, MSSQL, Terminal Servers and Exchange. Standards were developed and mission critical systems were migrated to the new system.
- Planned and implemented an active/active DR facility which is always in use so there are no surprises when the time comes for it to become the primary facility. Automated processes were put into place for keeping up to date copies of all data in both locations.
- Implemented a Solarwinds setup for monitoring and reporting on all aspects of the network. Custom pollers were setup to gain better statistics on mission critical systems.
- Developed a redundant Exchange implementation using F5s to balance traffic between two locations. Native backend replication was enabled and custom scripts were implemented to overcome problems with public folder replication. Migrations were completed for the entire corporation.

### ***Systems Engineer (2007-2009)***

- Transitioned the web environment from single servers to a load balanced farm. A MySQL Master-Master database was configured with read only slaves. Centralized storage was introduced along with redundant web servers and F5 load balancers. What used to be an overloaded application with many single points of failure is now running smoothly and any glitches on the back end are unnoticed by end users.
- Moved the corporate data center and re-architected its design to implement fault tolerance and achieve significant cost savings.
- Developed new Fedora video encoder platform and remotely implemented migrations in 30 locations. Project saves the company \$15,000 a year in licensing costs and stability improvements have saved many hours of support time. Subversion was also introduced to maintain version control.
- Implemented and configured open source monitoring system for MPLS, Linux and Windows devices.
- Provided support and troubleshooting for Active Directory, SQL Server 2005, Cisco routers and firewalls, Exchange 2007 and backups.
- Introduced blades, SAN and virtualization to significantly reduce TCO in the datacenter.

### **International ALERT Academy - Big Sandy, TX**

**(2000 – 2007)**

#### ***Network / Database Administrator (2005-2007)***

- Developed a custom email list server for communicating with supporters and potential customers. Integration with the central database and an online update form has helped expand contacts by over 700%.
- Created a design plan and cost analysis to expand the existing network using coax, encrypted wireless links and fiber cabling. Administrative approval was gained and four new buildings received network access.
- Custom built fault-tolerant Linux firewalls to expand network capacity and improve security.
- Conserved resources through an innovative use of open source technology that converted retired computers into usable thin clients. Procedures were documented for future use.
- Administered Windows 2003 Domain Controllers running databases, virus scan, VPN, file server, Point Of Sale, Exchange, LDAP, QuickBooks, and tape backups.

#### ***Database Manager (2003-2004)***

- While working as Dean of Men, took the initiative to design a new data management system. Records from a number of independent systems were converted, merged and de-duplicated into a

centralized database architecture running on MS SQL Server. A front end application was built on top of MS Access which allowed end users to create transcripts, coordinate deployments, process evaluations, operate retail sales, manage event registrations, track donations and oversee the corporate key system. Ongoing support and training was given to over 100 employees who utilized the database. This system is still in use today.

***Dean of Men (2002-2004)***

- Began by living directly among the men and developing relationships. A concerted effort to restore discipline followed (due to a prior period of lax enforcement). Overcame reluctance and indifference resulting in implementation of Discipline while maintaining group Morale.
- Organized and streamlined the process of tracking evaluations, awards and classes.

***Commanding Officer's Administrative Assistant (2001)***

- Recruited by the CO to work as his direct assistant in charge of scheduling and communications.

***Basic Training Logistics Chief (2000)***

- Led a team of four men in charge of meals, uniforms, equipment, training materials, and hike support for the Basic Training Division.
- Organized and documented the processes and procedures of logistics at the Michigan location while heading up operations there.
- Coordinated with other departments to move all gear to the new Texas location. While running operations for the first Basic Training in Texas, worked to streamline and document new processes. Completed term by training a new Logistics Chief to take over the operation.

**TECHNICAL CERTIFICATIONS**

Information Technology:	RHCE 5.0, MySQL DBA 5.0, CCNA, MCSE-Security 2003, MCSE-Messaging 2003, MCDBA 2000, MCDST XP, LPIC-2, A+, Net+, Security+ (1 of 4 tests completed for CCNP completed)
Telecom:	Toshiba Strata CTX (Basic, IP, ISDN, ACD), Strategy Voice Mail

**EDUCATION**

**Northcentral University** –MBA/MIS, DMD Honor Society, 4.0 GPA, 1/2009

**North Tennessee Bible Institute** – BA: Biblical Counseling with Public Safety Emphasis, 3.7 GPA, 5/2007

**Intl. ALERT Academy** – Certification in Leadership, Management and Disaster Relief, 3.8 GPA, 5/2000

**Other** – Eagle Scout, Presidents Volunteer Service Award