

# K. Brian Kelley, CISA, MCSE, Security+

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## Skillset

- **DB Administration:** Experienced installing, configuring, administering, and performance tuning Microsoft SQL Server 2000/2005 and MySQL.
- **Network Administration and Systems Architecture:** Experienced Network Administrator, System Administrator and Architect for Windows networks including Windows 2000 and 2003 cluster servers. Team lead for Active Directory migration.
- **Security:** Primary duties in incident response and security architecture with a focus on Windows and SQL Server security. Responsible for server hardening and penetration testing. Public Key Infrastructure (PKI) administrator and architect. Experienced systems lead and DBA for successful SAS70, SOX and SysTrust audits.
- **Operating Systems:** Experienced installing, maintaining, administering and optimizing Windows 2000, XP, and 2003 as well as VMware ESX Server 2.x.
- **Web Development:** Experienced in developing dynamic, web-driven web sites. using Hypertext Markup Language (HTML), DHTML, JavaScript, Visual Studio, Active Server Pages (ASP), MS SQL Server, and MS Access
- **Web Administration:** Experienced installing, configuring, administering, and securing Microsoft Internet Information Server 5.0/6.0 and Microsoft Certificate Services.
- **Additional Programming:** Experienced with Perl (Win32) and Windows-based scripting.
- **Program Management:** Experienced and federally-certified in program management, specifically IT contracts.

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## Experience

01/2000 - Present                      AgFirst Farm Credit Bank                      Columbia, SC  
**Systems Architect** (as of December 1, 2001)

- Primary Directory Services administrator for organization
- Led Active Directory migration team for 300 sites, 24 separate corporations, and 2500 users
- Responsible for hardening Internet-facing and critical infrastructure servers.
- Active penetration testing for organizational systems
- Founding member and lead for organization incident response team
- Contributed as lead systems administrator and DBA on successful first pass on SAS70 Type I and Type II audits
- Performed as lead systems administrator and database consultant on successful first pass of SysTrust certification
- Served as lead systems administrator and client-server security expert on successful Sarbanes-Oxley audit
- Administer external and internal Public Key Infrastructure (PKI)

- Administer DHCP, DNS (Windows 2000) and WINS
- Lead server team to optimize NT servers' LAN and WAN network traffic
- Manage enterprise environment consisting of approximately 300 sites, 600 servers, and 3000 clients
- Primary administrator over Windows 2000 and 2003 cluster servers including Exchange Server 2003 and SQL Server 2000/2005.
- Lead team in right-sizing servers and providing for growing hardware needs for internal and third-party applications
- Provide mentorship for junior DBAs
- Provide continued support as on-call DBA as needed
- Provide DBA support for Citrix MetaFrame XP data store on SQL Server 2000
- Support NFuse, Citrix Secure Gateway, and Web Interface for Citrix Presentation Server and provide web administration and coding assistance with customization
- Assist with Citrix Presentation Server 4.0 farm administration
- Assist with VMware ESX Server administration and deployment.
- Developed Perl scripts with SQL Server 2000 to provide automated auditing of enterprise environment
- Led migration from Solaris-based BIND servers to Windows 2000 DNS Servers in preparation for Active Directory implementation
- Recommend security measures on Windows NT/2000/2003/SQL Server environment

#### **Lead Database Administrator** (Nov 1, 2000 - Dec 1, 2001)

- Led team of production DBAs supporting distributed mission-critical applications utilizing SQL 7.0 and 2000
- Administer and maintain 40+ production SQL Servers geographically positioned from Maryland to Puerto Rico to Mississippi
- Led team of development DBAs building OLTP and DSS databases in support of AgFirst proprietary applications utilizing T-SQL, DTS, and Replication
- Lead Database Architect for web applications and data warehousing
- Lead development DBA for Lawson Insight HR package implementation
- Lawson System and Security Administrator
- Visual Basic developer responsible for troubleshooting bottlenecks in applications interfacing with SQL Server

#### **Web Developer** (Jan 3, 2000 - Nov 1, 2000)

- Formerly web development programming lead (accepted role as lead DBA in October 2000)
- Architect of *AgFirst* Intranet version 2.0
- Developed Visual Basic middleware components to interface between ASP scripting and SQL Server 7.0
- Programming lead on AgFirst Intranet version 2.0 utilizing using IIS, ASP,

VBScript, JavaScript, HTML, DHTML, and SQL Server

- Technical lead on AgFirst Interactive Voice Response systems development
- Program Manager for Secondary Mortgage Market E-Commerce application

01/2001 - 07/2001

DigitalThink, Inc.

San Francisco, CA

### **Web Development Courses Tutor**

- Tutored courses in ASP development, ActiveX, and JavaScript
- Earned DigitalThink Certified Tutor certification

08/1999 - 12/1999

BellSouth Adv. & Pub. Co. (through  
MDI, Inc.)

Columbia, SC

### **System Administrator**

- Supported 100+ users running NT Workstation 4.0 and Windows NT 4.0 Terminal Server.
- Administered file and application servers running NT Server 4.0
- Developed site system administration intranet using IIS, ASP, VBScript, JavaScript, HTML, DHTML, SQL Server, and MS Access

1995-1999

United States Air Force

Montgomery, AL

### **Chief, Technical Support**

- Upgraded and administered information systems for 80+ users running Windows 95/98, Windows NT 4.0, and Windows 2000 Beta
- Administered and maintained IIS 4 and SQL Server 6.5 and 7.0
- Led 7-person tech team with less than 1 day turn-around from report of IT problem to satisfactory solution
- Advised Chief Technical Officer of Organization on future IT acquisitions for Air Force and Department of Defense customers
- Established Air Force position on vendor-proposed new technology and technology refreshes for \$14B worth of government contracts

### **Webmaster/Web Developer**

- Designed and Developed web site for Air Force's source on IT contracts using HTML, DHTML, ASP, and VBScript
- Provided follow-on training to staff of web developers in HTML, DHTML, Active Server Pages, SQL, Visual Interdev, and Visual Basic
- Built E-Commerce prototype for Air Force on-line (web based) ordering system using ASP, VBScript, and SQL Server

### **Program Manager**

- Managed \$2.9B in Air Force contracts

- Provided Air Force concerns and inputs on follow-on to a \$2B contract
- Represented the Air Force on Process Management Teams for Navy Super-Minicomputer contract
- Developed organization's Total Quality Management approach for administering new IT contracts

### **Co-Chair, 1996 AF Information Technology Conference**

- Coordinated video-teleconferencing of keynote speakers throughout the continental US and bases overseas
- Team lead for first web-based registration system
- Led team of 60+ volunteers for 3500 person conference

### **Education**

1996-1999

United States Air Force

Montgomery,  
AL

### **Technical/Acquisitions Training**

- Federal Acquisitions 101 course

1995-1996

United States Air Force

Biloxi, MS

### **Basic Communications-Computer Systems Officer Training**

- Software Analyst/Programmer Additional Training
- ADA Programming & Government Software Engineering Lifecycle

1991-1995

The Citadel

Charleston, SC

### **B.S. Physics, B.A. Mathematics**

### **Certifications**

- ISACA Certified Information Systems Auditor
- SANS Stay Sharp Program - Computer and Network Security Awareness (SSP-CNSA)
- CompTIA Security+
- Microsoft Certified Systems Engineer (NT 4.0) - Electives: TCP/IP, SQL Server 7.0 Administration
- Federal Acquisitions Level I Comm-Computer Systems Certification

### **Professional Organizations**

- Association for Computing Machinery
- Information Systems Audit and Control Association (ISACA)
- Professional Association for SQL Server (PASS)
- SQL Server Worldwide Users Group
- Toastmasters - Tunnelvision Echoes Club (Club #8810)

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## Professional Activities

- Contributing Author for *How to Cheat at Securing SQL Server 2005* (Syngress: 2007)
- President and Director of Communications, Midlands PASS Chapter (2007 - Present)
- Vice President of Public Relations for Toastmasters - Tunnelvision Echoes Club (2007 - Present)
- SANS Security Awareness Council Member (2006 - 2007)
- SANS GIAC Advisory Board Member (2006 - 2007)
- SANS GSEC Advisory Board Member (2004 - 2006) [Board merged into GIAC Advisory Board]
- Regular SQL Server Security columnist for SQL Server Standard Magazine columnist (2003 - Present)
- Regular SQL Server Security columnist for SQLServerCentral.com (2002 - Present)
- Contributing Author for *Best of SQLServerCentral.com, Vol. 3* (2005)
- Contributing Author for *Best of SQLServerCentral.com, Vol. 2* (2004)
- Contributing Author for *Best of SQLServerCentral.com 2002* (2003)
- Author of *Start to Finish Guide to SQL Server Performance Monitoring* (NetImpress: 2002)
- Former Swynk.com SQL Server columnist (2001)

