

Scott G. Brown
1908 B Westridge Drive
Austin, Texas 78704
scott.brown@opennetworks.org

Summary of Qualifications

- **Security Administration:** In-depth knowledge of security risk assessments, analysis, architecture and design. In-depth knowledge of open source security assessment tools such as Nessus, Nmap, as well as popular closed source tools such as Tipping Point appliances and Cisco PIX and 3000 series concentrators. Currently hold CISSP certification and United States Patent for a distributed firewall and communication system.
- **Network Administration:** Can provide network requirement analysis and network system design, re-engineering, installation, configuration and maintenance. In depth knowledge of Apache and associated modules. Currently hold RHCT, MCSE, MCP + Internet, MCP Windows NT 4.0 and general Linux certifications.
- **Networks:** TCP/IP, NFS, SMB, etc. Solaris 2.5. Microsoft Windows NT 4.0, 2000.
- **Languages:** UNIX shell programming, PHP, Python, Microsoft Visual Basic.
- **Customer/Technical Support:** Assessing customer needs and specifications. Working with vendors for new product implementation, technical support and performance improvement.
- **Platforms supported:** Linux, Windows NT 4.0 – 2003, UNIX (Solaris 2.5+), Macintosh OSX, Cisco PIX.

Experience Highlights

Oct, 2000 to Present	City of Austin <i>Information Security Analyst / Sr. Network Administrator</i> Provide ongoing security assessments/engineering design/investigations for the City of Austin. Primarily responsible for publicly accessible Internet machines (DMZ), Cisco VPN Concentrators, RADIUS and TippingPoint Intrusion Prevention devices. Programmed numerous PHP-based applications including secure vendor ftp, CVS management and central logging server. Designed and implemented City's "Wifi in the Parks" initiative and responsible for the City's wireless (802.11, 802.1x) architecture and standards. Responsible for City's DNS design and integration with Microsoft's Active Directory. Principle architect and engineer for the City's Linux and OpenOffice pilot programs in 2002. Awarded department's Fall 2001 Innovation award for introduction of Linux-based Intrusion Detection system and two "On the Spot" Recognition awards in 2005.	Austin, TX
June, 1999 to Oct, 2000	Triptych Microsystems <i>Chief Technology Officer and Co-Founder</i> Provided strategic technology vision and leadership for Triptych. Oversee product development and the organization's technology systems, operations and applications. Managed all aspects of the information technology architecture, including databases, Internet, e-mail and web. Responsible for the company's overall technology budget, technology purchasing and business development. Co-authored six patent applications for an Internet set-top and security system. Served as interim Open Source Coordinator and company developer liaison.	Austin, TX

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May, 1995 to June, 1999 **Texas Parks & Wildlife, GIS Laboratory.** **Austin, TX**
System Support Supervisor for Resource Protection Division
Planning, implementation and support of Windows NT/95 network including Microsoft Exchange 5.5 Server and Internet database connectivity. Wide Area Network (WAN) planning and implementation using Virtual Private Network (VPN) technology for the state of Texas' first statewide Windows NT domain. Responsible for \$100,000+ annual budget. UNIX/Linux/NT integration using Samba, NFS. UNIX (Solaris 2.5, CDE) system administration. Linux (Redhat 5.2-6.2, WindowMaker) system administration. HTML programming of TPWD web pages (www.tpwd.state.tx.us). Programmer for Texas Wetlands Online and statewide data warehouse for water recreational opportunities in Texas. Worked with ActiveX, Active Server Page technology, VBScript, Javascript, Visual Studio, Visual Basic 5.0/6.0, Visual InterDev, Access97 and SQL Server 6.5/7.0. Created custom Internet Explorer 3.0/4.0 and Active Server Page applications for TPWD Intranet including database driven Help Desk and FAQ. Geographic Information System spatial analysis of state parks using ARC/INFO 7.2 and ArcView 2.1/3.0. Worked with ESRI's MapObjects ActiveX controls and used for Internet GIS data distribution. GPS field data collection. Member of TPWD Internet Steering Committee, Information Resources Coordinator, Page Librarians Committee, GIS Implementation- Data Distribution Sub-committee, Multimedia Steering Committee.

May, 1993 to May, 1995 **East Texas State University** **Commerce, TX**
Student
Prepared multimedia class lectures for an associate professor in the Earth Sciences Dept. Duties included digital scanning and assembly into multimedia programs. Established department Internet homepage and Internet resource locations for class lectures and other Earth Science computer users. Co-authored "The Multimedia Guidebook to the Paluxy River Valley," with Jeff Pittman, Ph.D.

May, 1988 to Aug, 1993 **Village Video** **Dallas, TX**
Store Manager
Managed a retail video store. Duties included daily, monthly and annual bookkeeping, inventory control, scheduling and training responsibilities. Helped establish and implement computer rental system along with rental policies.

Education

1993 to 1995 **East Texas State University** **Commerce, TX**
A candidate for the degree of Bachelor of Science majoring in Geology. Taken many upper-level classes including Stratigraphy, Invertebrate Paleontology, and Computers in the Earth Sciences as well as independent research studies in Multimedia Programming and Vertebrate Paleontology. Overall G.P.A at East Texas State is 3.71 and 3.9 in major. Semester hours earned: 60. Academic awards include: Dean's List 1993, 1994, and 1995.

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Presented a poster session on the Paluxy River at the 1995 Texas Academy of Sciences Annual Meeting. Founding member and former president of the East Texas State University Cycling Club and member Geologic Society.

Certifications

Professional

- Certified Information Security Systems Professional (CISSP) #64256
- Issued patent for distributed firewall system and associated communication protocol #7,152,240. One patent application still pending.
- Red Hat Certified Technician (RHCT)
- Microsoft Certified System Engineer (MCSE)
- Microsoft Certified Professional + Internet (MCP + I)
- Microsoft Certified Professional, Windows NT 4.0
- Brainbench certified Red Hat Linux Administration
- Brainbench certified General Linux Administration

Additional Professional Training:

- TippingPoint Intrusion Prevention
- Microsoft SQL Server 7.0 Administration, SQL Server 7.0 in the Enterprise
- Microsoft Internet Service Provider including Small Business Server
- Environmental Systems Research Institute Arc/Info 7.2, ESRI ArcView

References available upon request.