CJIS Local Agency Security Officer - IT Security Engineer - Information Security Analyst - Senior Network Administrator CJIS Local Agency Security Officer - IT Security Engineer - Information Security Analyst - Senior Network Administrator CJIS Local Agency Security Officer - IT Security Engineer - Information Technology Security Analyst - Senior Network Administrator - City of Austin Communication and Technology Management Austin, TX Authorized to work in the US for any employer Work Experience CJIS Local Agency Security Officer - IT Security Engineer - Information Security Analyst - Senior Network Administrator City of Austin, Austin Police Department, Communication and Technology Management - Austin, TX October 2000 to Present Provides security assessments/engineering design/investigations for the City of Austin. Lead Computer Security Incident Response Analyst for the City of Austin (CSIRT). Extensive integration and engineering experience covering all aspects of information technology. Extensive Public Safety technology compliance experience having served as primary Security Analyst for many highly visible Public Safety projects as well as Local Agency Security Officer and CTM Agency Coordinator for APD's Criminal Justice Information Systems Security Policy (CJIS) compliance. Lead Incident Response Analyst for 7 years and responsible for creating the City of Austin's Incident Response procedures and Communication Plan. Well versed in digital forensic and investigatory techniques and co-authored internal investigation Standard Operating Procedures and the City of Austin's Security Policies. Day-to-day responsibilities included protection of publicly accessible Internet machines using Cisco PIX, ASA and VPN Concentrators, RADIUS and TippingPoint Intrusion Prevention devices. Familiar with Payment Card Industry (PCI) best practices and compliance issues. Programmed numerous PHP-based applications including a secure vendor ftp portal, Concurrent Versioning System management and central logging server with indexing/searching software. Designed and implemented Austin's "Wifi in the Parks" initiative and was responsible for the City's wireless (802.11, 802.1x) architecture and standards. Principal architect and engineer for the City of Austin's Linux and OpenOffice pilot programs in 2002 which received international news coverage. Currently redesigning Authentication systems for both internal and external customers. Recognitions: Awarded department's Fall 2001 Innovation award for introduction of Linux-based

Intrusion Detection system. Awarded Certificate of Recognition in 2001 from the Austin Fire Department. Member of the "Team of the Year" in 2009 (City of Austin DMZ Migration). Eight individual Employee Recognition awards in 2005, 2008, 2010 and 2011. Major projects included: ? APD In-Car Digital Vehicular Video ? Austin Regional Intelligence Center (Fusion Center) ? APD's Public Safety Camera Network ? APD Automatic License Plate Readers ? Parking Pay Stations ? Single-Pole Parking Meters ? Transportation License Plate Recognition ? Merchant Payment Contract RFP ? "Wifi in the Parks" Initiative ? APD LASO & CJIS Agency Coordinator ? Library's Public Access wireless ? Linux and OpenOffice Pilots Chief Technology Officer Triptych Microsystems, Inc June 1999 to October 2000 Provided strategic technology vision and leadership for the company. Oversaw 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. Principal author of six patent applications for an Internet set-top and security system. Served as Open Source Coordinator, company developer liaison and directly managed software developers. System Support Supervisor for the Resource Protection Division Texas Parks and Wildlife Department May 1995 to June 1999 Planned, implemented and supported a Windows NT/95 network including Microsoft Exchange 5.5 Server and Internet database connectivity. Wide Area Network (WAN) planning and implementation using VPN technology for the state of Texas' first statewide Windows NT domain. UNIX/Linux/NT integration using Samba and NFS. Programmed much of TPWD's early web pages and was Principal Programmer for Texas Wetlands Online and a statewide data warehouse for water recreational opportunities in Texas. Worked with ActiveX, Active Server Pages, VBScript, Javascript, Visual Studio, Visual Basic 5.0/6.0, Visual InterDev, Access97 and SQL Server. Created custom Internet Explorer 3.0/4.0 and Active Server Page applications for TPWD Intranet. Geographic Information System spatial analysis of state parks using ARC/INFO and ArcView. Member of TPWD Internet Steering Committee, Information Resources Coordinator, GIS Implementation- Data Distribution Sub-committee and the Multimedia Steering Committee. Education Associate's Degree

in Paleontology East Texas State University - Commerce, TX 1993 to 1995 Awards City of Austin Recognitions Communication and Technology Management Fall 2001 Innovation Award Austin Fire Department Certificate of Recognition, Fall 2001 Communication and Technology Management Team of the Year Member, Fall 2009 Inaugural member to the City of Austin CTO Team in 2013. Selected to the City of Austin's Center of Excellence Think Tank in 2009. Eight individual Employee Recognition Awards in 2005, 2008, 2010 and 2011. Certifications/Licenses Certified Information Security Systems Professional (CISSP) #64256 November 2004 to Present Red Hat Certified Technician (RHCT) February 2007 to Present Microsoft Certified System Engineer (MCSE) April 1998 to Present Groups Member of Multi-State Information Sharing and Analysis Center (MS-ISAC) March 2013 to Present InfraGard June 2013 to Present US-CERT March 2013 to Present Patents Method for communication security and apparatus therefor (#7,152,240) http://www.google.com/patents/US7152240 2006-12 A FireNet security system in which trustworthy networks, called BlackNets, each comprising One (1) or more client computers, are protected by FireBreaks against attacks from untrustworthy networks, called RedNets. All incoming transactions from the RedNet are examined by the FireBreak to determine if they violate any of a plurality of protection rules stored in a local protection rules database. Any transaction found to be in violation is discarded. Valid transactions are forwarded to the BlackNet. If an otherwise valid transaction is found to be suspicious, the FireBreak will forward to a FireNet Server relevant information relating to that transaction. If the FireNet Server verifies that the transaction is indeed part of an attack, the FireNet Server will create new protection rules suitable to defend against the newly identified source or strategy of attack. Periodically, all FireBreaks in the FireNet system will transfer, directly or indirectly, all new rules. Improving security of data communications networks (#7,716,717) http://www.google.com/patents/US7716717 2010-05 A FireNet security system in which trustworthy networks, called BlackNets, each comprising One (1) or more client computers, are protected by FireBreaks against attacks from untrustworthy networks, called RedNets. All incoming transactions from the RedNet are examined by the FireBreak to determine if they violate any of a plurality of protection rules stored in a local protection rules database. Any transaction found to be in violation is

discarded. Valid transactions are forwarded to the BlackNet. If an otherwise valid transaction is found to be suspicious, the FireBreak will forward to a FireNet Server relevant information relating to that transaction. If the FireNet Server verifies that the transaction is indeed part of an attack, the FireNet Server will create new protection rules suitable to defend against the newly identified source or strategy of attack. Periodically, all FireBreaks in the FireNet system will transfer, directly or indirectly, all new rules. Method for communication security and apparatus therefor (#8,245,274) http://www.google.com/patents/US8245274 2012-08 A FireNet security system in which trustworthy networks, called BlackNets, each comprising One (1) or more client computers, are protected by FireBreaks against attacks from untrustworthy networks, called RedNets. All incoming transactions from the RedNet are examined by the FireBreak to determine if they violate any of a plurality of protection rules stored in a local protection rules database. Any transaction found to be in violation is discarded. Valid transactions are forwarded to the BlackNet. If an otherwise valid transaction is found to be suspicious, the FireBreak will forward to a FireNet Server relevant information relating to that transaction. If the FireNet Server verifies that the transaction is indeed part of an attack, the FireNet Server will create new protection rules suitable to defend against the newly identified source or strategy of attack. Periodically, all FireBreaks in the FireNet system will transfer, directly or indirectly, all new rules. Additional Information Certified Information Security Systems Professional (CISSP) #64256 Issued patents for distributed firewall system and associated communication protocol #7,152,240, #7,716,717 & #8,245,274 Red Hat Certified Technician (RHCT) Microsoft Certified System Engineer (MCSE) TippingPoint IPS Certified Microsoft Certified Professional + Internet (MCP + I) Microsoft Certified Professional, Windows NT 4.0 Communication and Technology Management Fall 2001 Innovation Award Austin Fire Department Certificate of Recognition, Fall 2001 Communication and Technology Management Team of the Year Member, Fall 2009 Selected to the Mayor's Center of Excellence Think Tank in 2009. Inaugural member to the City of Austin CTO Team in 2013. Eight individual Employee Recognition Awards in 2005, 2008, 2010 and 2011. Member of Multi-State Information Sharing and Analysis Center (MS-ISAC) Currently holds dual citizenship in both the United States and United Kingdom.

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