Robert J. Tanner
10181 Crosstown Circle
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Telephone: (952) 943–8700 ext 222

EXPERIENCE

9/1995 – Present Real Time Enterprises, Inc. Eden Prairie, MN

System/Network Administrator

- Senior Engineer who leads a team responsible for 107 Network Nodes running 381 services
- Security consultant responsible for the formation of the security "tiger team" and cleaning up after a successful breach of security
- Responsible for maintaining a multi–homed Cisco 7200 router to 3 Tier 1 Internet providers
- Responsible for maintaining a Cisco 3810 router for DSL connectivity
- Responsible for maintaining 5 Ascend Max 2000/4000 routers for ISDN connectivity
- Responsible for administrating the Eagle Raptor 6.0 firewall
- Technical lead for implementing SMTP AUTH and STARTTTLS in sendmail
- Technical lead for implementing anti–spam measures using ORBS and MAPS in sendmail
- Technical lead for integrating Tomcat application server with the Apache web server
- Technical lead for integrating Enhydra application server with the Apache web server
- Technical lead for DNS upgrade from BIND 4.9.x to BIND 8.2.x
- Technical lead in use–case study for upgrading DNS from BIND 8.2.x to BIND 9.0.x
- Technical lead for integrating DNSSEC into existing topology
- Technical lead for installing and configuring Netsaint, an open source network monitoring tool
- Technical lead for installing MRTG, an open source network traffic analysis tool
- Technical lead for installing and configuring Snort, an open source network intrustion detection system
- Technical lead for installing Analysis Console for Intrusion Databases (ACID) for use with Snort
- Administator for majordomo, ezmlm, mailman mailing lists
- Administrator for the public and private MySQL databases
- Third level support for all network and computer problems

7/2000 – 1/2001 Minnesota Vikings Eden Prairie, MN

Game Day Support Technician

- Solely responsible for the setup and tear–down of the Minnesota Vikings Game Day Network node
- Responsible for troubleshooting and fixing any hardware or network related problems
- Point of contact for the NFL for installation of patches and software upgrades
- Backup for the statistical entry position
- Backup for the statistical audit position

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EXPERIENCE (continued)

9/1995 – 1/2000 National Football New York, NY League
Distribution Center Administrator

- Solely responsible for the design of the NFL's Game Day Network and Distribution Center
- Connected all 31 stadiums to the Distribution Center in Eden Prairie, Minnesota
- Connected the Distribution Center to the NFL Data Partners including: FOX Sports, SportsTicker, ESPN, Time Warner and Starwave
- Part of a team of two people responsible for the smooth operation and troubleshooting of the Game Day Network
- Solely responsible for the quality of service (QoS) between the stadiums, the Data Partners and the Distribution Center
- Installed and used Netsaint, an open source network monitoring tool, to actively monitor each node of the network and alert the support team of any service failure in the network
- Installed, configured and used Solstice Domain Manager, to collect and graphically display resource utilization of each node of the network
- Installed and used OpenNMS, an open source network management tool, to supplement Solstice Domain Manager. Because of the high cost per seat for Solstice Domain Manager, OpenNMS was used by the support team to keep the cost per seat with the NFL's budget
- Installed and used NavisAccess to maintain and administrate the configurations and flash operating systems of the 40 Ascend Pipeline 75 within the Game Day Network

1/1999 – 2/2000 MAPPCOR St. Paul, MN
Network Adminstrator

- Worked with a team to move 40 frame–relay and point–to–point T1 circuits to the new facility.
- Responsible for testing the redundant analog dial–ups for each site to ensure connectivity even when the primary links were down
- Worked with AT&T to schedule the cut–over dates of each T1
- Setup Big Brother, an open source network monitoring tool, to actively monitor each Cisco router and display a status/summary web page of each those routers
- Configured a computer running Linux as a centralized logging host for all Cisco router syslog information

AFFILIATIONS

2/2001 – Present	OpenNMS	Quality Assurance
6/1999 – Present	Open Source Developer Network	Member
1/1999 – Present	Twin Cities Linux Users Group	Co–founder and Users Group System Administrator
9/1995 – Present	Vanilla Netrek Server Group	Developer/Administrator
6/1992 – Present	Crossfire Development Team	Developer

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SKILLS

Skill Name	Skill Level	Last Used	Experience
Amanda Backup Software	Expert	Currently used	5 years
AMaViS email virus scanning software	Expert	Currently used	5 years
Apache Web Server Administrator	Expert	Currently used	5 years
Ascend/Lucent CPE Equipment	Expert	Currently used	5 years
Ascend MAX Routers	Expert	Currently used	5 years
Cisco Engineer	Intermediate	Currently used	3 years
Cistron RADIUS	Expert	Currently used	5 years
Cistron RADIUS Server	Expert	Currently used	5 years
Cocoon XML–based Web Publishing	Intermediate	Currently used	1 year
Cold Fusion under Unix	Expert	Currently used	5 years
Courier IMAP	Expert	Currently used	4 years
Cyrus SASL	Intermediate	Currently used	3 years
DNS and BIND Administator	Expert	Currently used	5 years
Enhydra Application	Expert	Currently used	1 year
EZMLM ListServ Software	Expert	Currently used	5 years
FrontPage Extentions under Unix	Expert	Currently used	5 years
Kerberos5	Intermediate	Currently used	3 years
Keystone Troubleticket System	Expert	Currently used	5 years
Linux Administator	Expert	Currently used	7 years
Linux Kernel Configuration	Expert	Currently used	5 years
Mailman ListServ Software	Expert	Currently used	5 years
Majordomo ListServ Software	Expert	Currently used	5 years
MySQL	Expert	Currently used	5 years
Netsaint	Expert	Currently used	5 years
OpenLDAP	Expert	Currently used	5 years
OpenNMS	Expert	Currently used	2 years
PAM	Expert	Currently used	5 years
PeeWee Linux (embedded Linux)	Expert	Currently used	5 years
Perl	Expert	Currently used	5 years
PHP	Expert	Currently used	5 years
Postgres	Expert	Currently used	3 years
Qmail	Expert	Currently used	5 years
Raptor Firewall Administator	Intermediate	Currently used	3 years
Redhat Linux	Expert	Currently used	7 years
SAINT	Expert	Currently used	5 years
Samba	Expert	Currently used	5 years
Security Consultant	Expert	Currently used	4 years
Sendmail Administator	Expert	Currently used	5 years
SNARE	Intermediate	Currently used	3 years
SNORT/ACID	Expert	Currently used	3 years
Solaris Administator	Expert	Currently used	5 years
Solstice Domain Manager	Expert	Currently used	5 years
Squid/SquidGuard	Intermediate	Currently used	3 years
Tomcat Appplication Server	Expert	Currently used	2 years
Tripwire	Expert	Currently used	5 years
WINE	Intermediate	Currently used	2 years
XFree86	Expert	Currently used	5 years
Ximian GNOME	Expert	Currently used	3 years

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REFERENCES

	Dennis Jensen	Real Time Enterprises, Inc.	Director of Sales and Marketing
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