

Mark Nordberg
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Objective

To advance in the networking industry with an emphasis on network inter-connectivity and integration.

Work Experience

September
1999-Present

AT&T Solutions

Durham, NC

Data Network Engineering
Network Engineering

- Design and implementation of LAN designs primarily utilizing Cisco and Nortel Networks equipment
- Design and implementation of WAN designs primarily utilizing Cisco equipment
- Design of VPN corporate solutions
- LAN analysis utilizing Network Associates Sniffer Pro
- WAN bandwidth analysis/profiling utilizing Concord

February 1999-July
1999

AT&T Solutions

Durham, NC

Senior Technical Associate II

- Network operations
 - Monitoring the network with HP Openview, HP ITO, Worklist, and Remedy
 - Troubleshooting network outages (ethernet, T1s, routers, switches)
 - Network exception reports (what is wrong with the network, proactive reporting)
 - Task orders (simple and sometimes complex networking changes on the network)
 - Network profiling with Concord
- Network Engineering
 - Design and implementation of LAN/WAN corporate solutions
 - Design of VPN corporate solutions

May 1997-January
1999

Nortel Information Network

Research Triangle Park,
NC

Network Engineering/Network Operations/Unix System Administration

Network Operations/Engineering

- LAN/WAN connectivity for ISP with 20,000+ users
- Project planning/implementation
 - Core backbone network
 - ISP on-site networks
 - Customer networks
- Nortel Passport ATM/Frame Switch
 - Training on *Operation and Maintenance*
 - Training on *OMSP using HP Openview*
 - Configuration and provisioning of trunks, frame relay links, frame relay DLCI's, and IPIFR
- Network Access Units
 - Ascend Max configuration, maintenance, and provisioning
 - USR configuration and evaluation
 - Cisco AS5300 configuration and evaluation
- Routing
 - Cisco router configuration and maintenance
 - Configuration of frame relay and static routes
 - Configuration of OSPF in WAN scenario

System Administration

- Maintain 50+ Redhat Linux machines
- Running Redhat 4.2 and 5.1
- Hardware recommendations for both Linux and NT servers
- News (USENET) Servers running Diablo, INND, and nntpcache
 - Moving 500,000+ articles per day
 - Moving 12+ GB of articles per day
 - Service 20,000+ end users
- Radius servers including Ascend Radius and Merit Radius
 - Authenticating USR, Cisco, and Ascend NAS
 - Providing vendor specific keys for all NAS's to do weird things we need
 - Providing standard logging formats as well as Y2K compliant logs
- DNS Server administration
 - Administration, configuration, and maintenance of binaries and database files
 - System upgrade from 4.9.3b1 to 8.1.2
 - Daily administration of main primary/secondary DNS pair
 - Daily administration of 15+ customer DNS servers
- Web server (Apache 1.2, 1.3) configuration and maintenance
- FTP Server configuration and maintenance using chowning and ftpaccess modifications
- Mail server configuration and maintenance
 - Sendmail 8.8.8 with domain tables/virt user tables/mailler tables
 - Procmail configuration
 - Qualcomm Qpopper and Qmail's pop server configuration and maintenance

May 1995-January
1997

International Business Machines

Research Triangle Park,
NC

Network Adapter Systems Verification Engineer

- Tested network adapters under many network operating systems
 - Microsoft Windows 95, Windows NT Workstation and Server
 - OS/2 Warp Server, Warp Server SMP, OS/2 Warp v4.0
 - Linux 1.2.x/2.0.x on Redhat 3.0.3, Redhat 4.0, and Slackware
- Identified and eliminated network problems
 - Network trace analysis from sniffer and Linux network dumps
- Set up and maintained small test networks
 - Token Ring -- Ethernet bridges
 - Token Ring and Ethernet switches and hubs
- Assisted in software distribution server administration (*Easy Install*)
 - Installation of DOS, Windows 95, Windows NT, and OS/2
 - Installation of Linux
 - Software upgrade automation

August 1994-May 1995 **NC State University Math Department** Raleigh, NC

Maple Consultant

- Provided assistance with class computer symbolic math assignments
- Supervised computer laboratory

Education

August 1993-May
1997

NC State University

Raleigh, NC

B.S. Materials Science and Engineering

- Summa Cum Laude
- Dean's List 7 times
- GPA: 3.789/4.000