

RACHEL K. WARREN

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SUMMARY

Network Engineer seeking position that integrates Cisco, Juniper, Internetworking, and Unix skills.

EDUCATION

B. S., Computer Science. James Madison University. Harrisonburg, VA.

College of Integrated Science and Technology, concentration in Networks and Data Communications.

GPA: 3.45. Deans List: Fall 95, Spring 96, Fall 97, and Spring 98

TECHNICAL SKILLS

- Router/Switch:**
- Cisco 2500, 7200, 7500 and 12000 series routers.
 - Cisco Catalyst 2500, 5000 and 6500 series switches.
 - Juniper M5 and M20 routers.
 - HP Openview (Cascade Frame Relay Switches).
 - Foundry switches.
 - Ascend PipeLine 130 routers.
 - Vina routers.
 - 3Com routers.
- Protocols:** BGP, OSPF, HSRP, ATM, Frame Relay, 802.11, Ethernet, HDLC, RIP, PPP, SLIP.
- Telecom:**
- Turned up and tested 56k, DS1, DS3, Frame Relay, and SONET lit and dark fiber circuits (STM1, STM4, OC-3, OC-12, OC-48).
 - Turned up and tested circuits with a T-Berd 209a and a T-Berd 2209.
 - Created and ran circuit cross connects of fiber, coaxial, and Ethernet.
- Unix:**
- Configured and used various Unix utilities (e.g., DNS, UUCP, SLIP, PPP) on NetBSD, FreeBSD, SunOS, NeXT, Linux, HP-UX, and Ultrix platforms.
 - Administered a Sparc NetBSD system.

Programming Languages: C/C++, Java, Javascript, SQL, Lingo, Tcl/Tk, Pascal, and LOGO.

EXPERIENCE

AKAMAI TECHNOLOGIES, INC., Cambridge, MA

2001

Senior Network Engineer

- In conjunction with the Peering Project Manager, capacity planned, coordinated, and specified the hardware necessary to construct peering points and Akamai regions.
- Used the Siebel ticketing system for these peering points and regions.
- Worked with the Deployment group to perform physical construction.
- Created BGP configurations for routing equipment for various Internet exchange points (e.g., the MAEs, AADS, LINX, TIX, etc.) and other Akamai regions requiring routing equipment.
- Brought up peering with different companies at the various exchange points.
- Tested various routing equipment to be later deployed in the field.
- Wrote procedural and general documentation for the Akamai Network group.

METROMEDIA FIBER NETWORK (Formerly ABOVENET COMMUNICATIONS).

Tysons Corner, VA.

1999-2000

Backbone Engineer

- Designed, deployed, and operated AboveNet's global IP network, including AboveNet ISX facilities, PAIX facilities, and various Internet exchange points.
- Capacity planned and worked with AboveNet's telco group to ensure necessary capacity was ordered and delivered in time to meet demand.
- Brought up and configured the additional backbone and peering connections.
- Made OSPF and BGP adjustments to optimize traffic flow.
- Resolved trouble tickets escalated by the System Support or Customer Engineering groups.
- Worked with telcos and other providers to resolve outages.
- Wrote procedural documentation for Systems Support and Customer Engineering groups.

UUNET TECHNOLOGIES. Fairfax, VA.

1997-1998

Internet Systems Engineer

- Installed high speed leased line connections and Internet services to UUNET's network.
- Provided customer support for DNS, IP routing, telco line issues, and Internet services, and backup support of other Systems Engineers as needed.

TOTAL NETWORK INTERFACE. Alexandria, VA.

1996

Junior Programmer

Programmed in Java and Tcl/Tk, and scripted HTML.

TIC COMPUTER/SPORTS CAMP, INC. Alexandria, VA.

1995

Computer Counselor

Taught campers age 8 to 15 Pascal and LOGO.

VOLUNTEER ACCOMPLISHMENTS

CAREER CENTER. Arlington, VA.

1994-1995

Configured a Japanese Omron BSD Unix system to be connected to the Internet via UUCP.

HB WOODLAWN ALTERNATIVE PROGRAM. Arlington, VA.

1994-1995

- Assisted in configuring a SunOS and a NeXT Station to be connected to the Internet via SLIP or PPP.
- Installed software and created accounts.

WORLDNET TELEVISION STUDIOS. Washington, DC.

1994

TV Dialogue "The Digital Classroom"

- Provided audiences in Copenhagen, Stockholm, and Cologne with an outline of Internet activities in the classroom.
- Used the Internet on live TV to show various Internet activities, such as the World Wide Web, the Usenet, and the Internet Relay Chat (IRC).

PROFESSIONAL AFFILIATIONS/MEMBERSHIPS

- North American Network Operators Group (NANOG).
- Association For Computing Machinery (ACM), James Madison University Chapter.

References Available On Request