

## Job Objective: System Administrator

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### Work Experience

- **System Administrator**, National Radio Astronomy Observatory, NMIMT *June 2002 – present*
  - Automate the installations of Unix and Windows clients
  - resolve helpdesk issues
- **Manager of Systems Programming**, Tech Computer Center, NMIMT *August 1998 – June 2002*
  - Manage group of systems programmers
  - Project manager for programming group
  - Implement long-range plans for Computer Center
- **System Programmer**, Tech Computer Center, NMIMT *November 1995 – August 1998*
  - Install and upgrade UNIX and Windows operating systems.
  - Install software for UNIX, NOVELL, Windows systems.
  - Design new machine specifications for purchase and support.
  - Maintain the WWW server for NMIMT using Apache.
  - Ensure uptime of 200+ hosts and servers in a heterogeneous network.
  - Responsible for daily backup of 50+ Gig network filesystem using Legato Networker.
- **User Consultant**, Tech Computer Center, NMIMT *May 1994 – November 1995*
  - Assisted users with UNIX, NOVELL/Windows and MacOS applications.
  - Specialized in UNIX, X11, Interleaf, and Emacs.
  - Performed troubleshooting on UNIX, NOVELL, MacOS systems.
- **System Administrator**, Digitized Astronomy, Socorro, NM 87801 *December 1993 – May 1994*
  - Maintained networked Intel machines running UNIX/RT.
  - Ported software for the Digitized Astronomy Super Nova Search.
- **Computer Science Tutor**, ASAP Tutoring, NMIMT *May 1991 – December 1993*
  - Assisted university students in computer science courses.
  - Specialized in C, Pascal, and FORTRAN
- **User Consultant**, Technical Communications Department, NMIMT *January 1991 – May 1991*
  - Assisted users with DOS and MacOS systems and applications.
  - Performed troubleshooting on DOS and MacOS systems.

### Experience

- Improved and maintain in-house program for installing SunOS, Solaris, Linux, Win95, with associated software packages.
- Designed and implemented 100Mb network of 100+ hosts.
- I have experience administrating SunOS, Linux, NOVELL, OSF/1, Solaris, and Win95. I can program in C, Perl, and Borne Shell.
- **Software Construction**, Designed and developed web tracking software in a zero defect environment.
- **Compilers**, Designed and implemented an ICON compiler on SPARC platform.
- **Operating Systems**, Implemented light-weight processes in the Linux 2.0 kernel, and coroutines in DOS 6.22.

- **Computer Architecture**, Designed and simulated a 3-stage pipelined processor in Verilog using VHDL.

#### Education

- **Bachelor of Science in Computer Science**, New Mexico Institute of Mining and Technology
  - Graduation Date August 1997.