Until November 15, 2005:
360 Frederick Douglass Street
Rochester, NY 14608

After November 15, 2005:
1300 N. 20th St. Apt K2039
Renton, WA 98056

Phone (585) 262-2338
Cell (585) 820-2462
E-mail mike@bigmacbear.com

Michael P. McManus

Objective   Senior Unix systems and network administrator position with growing company.

Work experience   2004 - 2005   Nexpress Solutions, Inc.   Rochester, NY

Senior Systems Administrator

- Maintained a company-wide set of Solaris (2.6 through 9) file and application servers, including SCSI-based and SAN-based storage arrays (Sun StorEdge and EMC Clariion); performed backups with Legato Networker and DLT jukeboxes; replaced aging Sun hardware with new servers including SunFire V220 and V440. Applied two-factor authentication and SSH to the server environment.

- Maintained and re-configured Samba and ClearCase applications through Windows domain migration, in cooperation with domain administrators.

- Wrote shell scripts to be executed in an SAP R/3 environment, in collaboration with ABAP programmers and the Basis administrator.

- Extensively involved in maintaining a Product Lifecycle Management system with communications links between Unigraphics, SAP R/3, and custom code supplied by a third party in Germany.

1999 - 2004   Heidelberg Digital, L.L.C.   Rochester, NY

Global Network Administrator

- Maintained site-wide LAN and WAN connections using Cisco equipment including the addition of Aironet wireless access points. Familiarized myself with SPAN and Virtual IP (HSRP and VRRP) concepts.

- Participated in specifying a state-of-the-art data center with redundant power and data connections, and the rewiring and installation of the network, as part of a complete building remodeling from the steelwork up.

- Installed, maintained, and decommissioned a regional (Americas) Internet access point for Heidelberg AG, complete with Check Point firewalls, Windows 2000 based monitoring systems, FTP and Web servers, Solaris and Red Hat Linux based DNS (using BIND), and web appliances including NetApp proxy servers and Neoteris (now Juniper) reverse-proxy appliances.

- Used HP OpenView NNM, CiscoWorks, MRTG and Swinfo (see below) to monitor the worldwide Heidelberg WAN and local LAN.

- Investigated using PHP as a replacement for Perl-based Swinfo.

- Used Microsoft IIS and ISA Server to publish proxy configuration scripts, to monitor proxy logs, and to produce custom error pages for policy enforcement on the NetApp proxies.

- Used Visio for documentation of network topology and data center physical and electrical layout.

| | 1993 - 1999 | Eastman Kodak Company | Rochester, NY |

Systems Administrator, Senior Systems Administrator

- From 1997, maintained a department-level engineering server environment with primarily Solaris servers and Sun storage arrays managed with Veritas storage management tools and backed up with Amanda.
- Maintained CASE tools such as SES ObjectBench, Cayenne Teamwork and ObjectTeam, and operated Oracle databases used by those tools; installed and helped with initial configuration of ClearCase in a cross-platform (Solaris/Windows) environment using Samba.
- Maintained a departmental LAN using Cisco switch equipment including VLAN configuration. Developed network monitoring and patch management system "Swinfo" using Expect and scripts (which I converted from shell to Perl). Continued to use and improve this system through early 2005 (corporate name changes are due to acquisitions).
- Installed and configured Apache web server to support Swinfo and MRTG. Developed other small Web-based tools using Perl and CGI over Apache.
- Acted as a consultant to software engineers on TCP/IP networking issues.
- Prior to 1997, maintained a departmental LAN serving a diverse set of PC's, workstations, and servers, including PC's running a multi-boot (DOS, OS/2, Linux) environment, Sun and HP 9000 workstations and servers, HP 64000 series development workstations and emulators. Some experience with Appletalk, Novell and DECnet.

| 1988 - 1993 | Eastman Kodak Company | Rochester, NY |

Software Engineer, Senior Software Engineer

- Wrote, debugged, and tested firmware for the Kodak Ektaprint 1392 series of printers, involving substantial device driver work, in assembly and C languages. Assignments ranged from bare-metal coding for the marking-engine controller to terminal-based user interface programming, also including protocol analysis over RS-232 and RS-422 interfaces.
- Designed and implemented software subsystem to drive custom mis-registration and skew detection hardware and reject bad pages.
- Automated firmware build tasks, and took over system administration on a limited basis for a set of HP 9000 systems used to build firmware.

Education

| 1988 - 2003 | Various instructors | Rochester, NY |

Continuing Education

- Courses taken include ClearCase Administration, Cisco LAN Switch Configuration, Supporting Windows NT Workstation 4.0, Solaris 2.x System Administration, and Realities of the C.M.M.

| 1983 - 1988 | The Ohio State University | Columbus, OH |

Bachelor of Science in Electrical Engineering

- Computer Engineering Option. Co-op with Eastman Kodak Company.

References   Available upon request.