

Charles E. Lever III

1015 Granger Avenue, Ann Arbor MI 48104
Home: (734) 668-1089 E-mail: chucklever@gmail.com

Work Experience

Principal Member of Staff (Oracle Corporation; Jun. 2006 to present)

Work independently to develop advanced features of the Linux NFS client and user space utilities. Collaborate with open source developers to drive these features into mainstream Linux. Provide local source of NFS expertise to Oracle's Enterprise Linux support team and OEL customers. Provide independent code review of others' updates to Linux NFS client.

Member of Technical Staff (Network Appliance, Incorporated; Feb. 2001 to Jun. 2006)

Collaborated with Linux kernel and Network File System (NFS) developers to improve the Linux NFS client implementation. Resolved bugs in the Linux NFS client and NetApp products to enhance interoperability. Supported customers using the Linux NFS client with NetApp products. Developed enhancements to the Linux NFS client to support high performance database applications, and drove the enhancements into commercial products based on Linux. Qualified new features, including new versions of the NFS protocol and support for advanced high-performance network technologies.

Member of Technical Staff (Sun-Netscape Alliance; Sep. 1998 to Nov. 2000)

Built the Linux Scalability Project from the ground up, planned research topics and publishing technical papers on Linux performance and scalability. Contributed performance and reliability fixes to the Linux kernel. Acted as liaison between Sun-Netscape product developers and Linux kernel developers.

Technical Lead (Information Technology Division, U. of M. Ann Arbor; May 1995 to Jul. 1998)

Provided technical leadership for team administering enterprise-wide production Solaris services and campus-wide directory service based on X.500 and LDAP. Oversaw testing and deployment of new OS releases, applications, and hardware upgrades. Developed business and technical processes to improve reliability and relevance of services. Eliminated hours-per-day partial and full service outages. Conceived and architected web-based performance analysis tools, LDAP clients, and change management systems. Directed migration of campus directory service from the ISODE consortium's X.500 servers to vendor-built LDAP software. Mentored junior technical staff.

Systems Research Programmer III

(Center for Information Technology Integration, U. of M. Ann Arbor; Oct. 1991 to Apr. 1995)

Collaborated with university and IBM developers to port Transarc's AFS 3.2 product to the VM/ESA and MVS/ESA operating systems and Transarc's DCE/DFS product to the MVS/ESA operating system, which became the "DFS for MVS" Program Product from IBM. Conceived and developed logical volume manager and file system adapter layers. Published papers and presented work at conferences. Administered VM/XA and VM/ESA, supporting AIX/ESA and multiple production MTS guests, as well as a small CMS community.

Systems Research Programmer I & II

(MTS Systems Group, U. of M. Ann Arbor; May. 1986 to Oct. 1991)

Tested and deployed updates for the Michigan Terminal System running on IBM and Amdahl mainframe systems. Implemented O/S level support for new I/O hardware. Provided support for operations staff and customers.

Education

B.S. in Computer Science, Dec. 1987, *University of Michigan-Ann Arbor, MI.*

Course work included Artificial Intelligence, Operating Systems, Theories of Algorithms and Computing Languages, Software Engineering and Management, Data Structures, and Theoretical Mathematics.

Special Skills and Experience

Extensive technical writing and research skills

Current member of ACM, IEEE, and USENIX

Credited reviewer of *Understanding and Deploying LDAP Directory Services*, by Howes, Smith, and Good.