
JOE SUNDAY

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Profile

Experienced software engineer with experience in multiple problem spaces including data processing and analysis, application manageability, and embedded Unix environments.

Experience

Software Engineer, Clustered SAN

NetApp, Research Triangle Park, NC — 2010-Present

Lead of the SAN Configuration and Manageability team responsible for orchestrating configuration changes and persistent storage of SAN within Clustered Data ONTAP, NetApp's proprietary distributed storage controller operating system built on FreeBSD, C, and C++.

Work closely with application and cluster manageability teams within NetApp to specify manageability requirements for Data ONTAP SAN customers, design, implement, and support the appropriate interfaces within Clustered Data ONTAP to support off-box manageability tools and the on-box CLI throughout the entire software lifecycle.

Profile, diagnose, and resolve performance problems in a distributed programming environment supporting the user interface and external-facing configuration APIs for the SAN product in Clustered Data ONTAP.

Implemented Perl test automation focused on performance and external-facing API functions of the SAN product in Clustered Data ONTAP.

Provided guidance and informal training to other teams for in-house toolkits used to build component manageability interfaces within Clustered Data ONTAP.

Software Engineer, Application Manageability Solutions

NetApp, Research Triangle Park, NC — 2006-2010

Developer on multiple NetApp Java-based application storage management applications, including SnapManager for Oracle (SMO) and SnapManager for Virtual Infrastructure (SMVI).

Worked closely with field, product management, and rapid response engineering teams to design and implement several customer point solutions and proof-of-concept prototypes for specific customer environments.

Managed development and scalability test environments for multiple application teams, including Unix, Windows, VMware, and Oracle on NAS and SAN storage.

Designed and implemented Java-based distributed automated test framework for testing storage management applications across a diverse operating system, CPU, and storage configuration matrix.

Software Engineer, GIS / Systems Administrator

The Rochester Group, Rochester NY — 2003-2006

Developed mapping and GIS solutions for TRG's sales force management application around TIGER/Line and client-provided GIS data sets in Java, C, C++, and Perl along with several available open-source tools including MapServer, PostGIS spatial extensions for PostgreSQL.

Unix and J2EE application server system administrator for the development team and SaaS production environments.

Co-op Programmer

Information and Technology Services, RIT, Rochester NY — 2002

Developed and supported IPedit, RIT's internal IP and DHCP management system, and AMS, RIT's internal unified Windows, Unix, and VMS account management system in C/C++, PHP, and Oracle.

Education

Rochester Institute of Technology, Rochester NY — BS Computer Science, 2003

Skills

Programming Languages: C, C++, Objective-C, PHP, Java, Perl, Unix Shell Scripting, Python.

Unix systems: Linux, FreeBSD, AIX, HP-UX, Solaris, OpenBSD, and Mac OS X.

NetApp Storage administration, 7-Mode and Clustered.

TCP/IP Networking and administration

Relational database design and programming (Oracle, PostgreSQL, MySQL)

Extracurricular Activities / Certifications

Computer Science House, RIT

Systems Administrator (1999-2003)

OpComm director (2001-2003)

Private Pilot

Airplane Single-Engine Land

Instrument Airplane
