

MICHAEL SULLIVAN

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Executive Summary - Profile

More than 15 years of IT Focused Managerial and Supervisory Experience in Financial Industry Covering Core Areas of IT Financial Transactions Operations, Regulatory Compliance, Budget Management and Vendor Relations.

More than 30 years experience in Architecture, Development Methodology, Project Management, Implementation, for Management of Distributed UNIX/Linux and Oracle Database Computing Systems.

Core Industries include Software Development, Banking and Finance, Telecommunications and Internet Commerce.

Experience

DCS, LLC, Tokyo, Oxford, MS and Nashville, TN

May 2009 - Present

Principal, Consulting Services

Clients: Various (Confidential due to NDA)

VPN and Firewall services using pfSense, Snort, IPSec, and OpenVPN. Tested using VirtualBox VM's over VPN using Remote Desktop Services

Designed iSCSI architecture and implementation for OpenSolaris ZFS and Linux Hypervisor hosts with KVM virtual machines, management tools based on OpenStack.

Managed 3 people on an international team to create an IaaS appliance in a cabinet, which included storage, compute and control components in a single rack. The appliance could also be replicated across dedicated or fast enough VPN over public Internet for disaster recovery and load balancing.

Designed and prototyped Small/Medium sized business NAS storage appliance based on ZFS and able to easily increase capacity by adding additional or larger disks to the appliance.

Designed backup service for DaaS Cloud-based storage to compliment the NAS appliance.

Designed Cloud-based extensible virtualized disk for use with NAS appliance with data encryption, compression and de-duplication. Each NAS appliance was further isolated by using its own independent virtual machine in the cloud to access its individual, isolated virtualized storage.

Awards

Mississippi New Venture Challenge (2nd Place) - May 2011.

Aozora Information Systems, Tokyo

Feb 2006 - May 2009

Aozora Bank

Manager - Production Management Division

Responsible for planning and controlling \$33M budget for the Production Management Division and for preparing reports for President of Aozora Information Services and Board of Directors. Identify variances and determine cost recovery procedures.

Reduced costs of redundant systems monitoring software, maintenance contracts, systems consolidation using VMWare on Linux and reductions in operational labor expenses resulting in a 15% year over year savings for two years and a total of \$9M savings.

Co-Managed the systems administration and architecture team of 25 Unix/Linux and Windows administrators who would also perform 2nd and 3rd line escalation from the Help Desk, also the more senior administrators would lead project work.

Built CMDB for cataloging all datacenter and desktop hardware and ran SQL queries on the database to extract information required for gathering inventory and producing usage statistics in order to create budget and billing chargeback system recovering Datacenter costs.

Designed and implemented cost allocation and chargeback model for incorporation into the SLA to recover internal IT costs for Data Center of 450 Linux and 100 Solaris servers.

Prepared Policy, Procedure, and Process documents based on COBIT and ITIL in areas such as Data Management, System Access Controls, and Production Release and Implementation to present to Board of Directors for acceptance of FSA audit materials.

Consulted with application development teams regarding best practices application architecture, design and implementation. Assisted developers defining database requirements and tuning their database SQL queries.

Oracle Cluster architecture definition installation and support from pilot project to full production implementation on Oracle/Linux Cluster

Defined Oracle Installation Standards, Unix File System Standards, Various other Unix and Systems Standards for the Unix/Linux environments.

Determined security policies and defined access control on servers.

Defined and implemented Linux GFS Clustering for TIBCO EMS, which also included destructive application testing simulating multiple component failures.

Oversaw architecture and implementation of system monitoring with tools such as NAGIOS, SWATCH, Oracle GRID Control and other tools for the NOC including escalation lists and procedures.

Managed backup and recovery architecture using rsync and Legato on EMC SAN and NAS, and EMC SRDF.

DCS, LLC, Tokyo

May 2005 - Feb 2006

Principal Consulting Services

Clients: Simplex Asset Management and InsureMyTrip.com

Managed Internet Services System Migration from one data center to new data center, including upgrading Open Source software creating packages to include Solaris system configuration and patching, web servers, mail servers, mailing list servers, DNS services and other supporting services.

Reviewed Windows System and Network Architecture for private Hedge Fund in Tokyo and made recommendations for improvement following internal audit.

Created proprietary online trading system to client specifications and requirements.

KBC Securities Japan, Tokyo

May 2002 - May 2005

Associate Director - Head of Systems

Systems Architecture, Implementation, and Support Group Division

Managed group of 5 employees in Systems division and reported to CIO.

Developed per project business cases and costing for CIO and CFO budgetary and project approval.

Responsible for all aspects of daily systems operations support for; Front Office, Back Office, Research, and other support areas including: 24 / 7 Telecommunications, Networking, Database Administration, UNIX and Windows Server Administration, End User Support, and Vendor Relations.

Supported the Global Standardization of Systems Architecture and Infrastructure by working with Global counter-parts.

Provided on-site IT development support and guidance to software developers in best Systems Practices.

Performed all aspects market data support for Bloomberg and Reuters platforms, including upgrades of both Bloomberg and Reuters infrastructures.

Performed Oracle Database migrations and upgrades.

Assisted developers in tuning SQL queries and in doing data transformations between databases.

Implemented the increased uptime and availability of the systems to less than 2 incidents per year.

Managed a project to Standardized Server Computing Hardware and Routing Hardware increasing reliability and ability to recover quickly from any single system failure.

Managed and performed BCP for Tokyo and it testing once a year in August.

CableVision, Long Island, NY
Manager of Distributed UNIX Systems, Systems Management

Oct 2001 - Apr 2002

Managed group of 15 UNIX Systems Administrators.

Provided 24/7 support of mission critical systems for major cable TV operations in New York Metropolitan Area.

Planned department budget of \$1.5M annually.

Managed and mentored junior staff and assisted systems programming teams in best Systems practices.

DCS, LLC, New York Metropolitan Area
Principal - Consulting Services

Oct 1994 - Oct 2001

Clients: InsureMyTrip.Com, Recollections, Inc ("MyPublisher.Com), Aero-Vision Technologies, SkyMall.Com, National Tele-Communications, Sun Microsystems, and Sun Professional Services

Managed groups of 4 to 15 UNIX Systems and Database Administrators. One project consisted of 5 geographically distributed developers. Most projects reported to CTO or CIO management level.

Designed and managed implementation of strategic information system architecture designs for Internet commerce providing applications such as insurance comparison, product fulfillment (iPhoto Books), Internet access kiosks for hotel industry, and telecommunications provisioning systems.

Designed and implemented a backup and recovery plan for client data centers.

Designed and implemented Oracle RDBMS development system architecture, including physical database installation and configuration.

Constructed an object relational interface in Perl which would abstract SQL queries and updates encapsulated in Perl objects corresponding to table objects.

Conducted routine security audits.

Integrated the production system into a homogenous corporate network consisting of Solaris, Linux, Windows NT, and Mac OS.

Merrill Lynch, New York, NY

Apr 1992 to Oct 1994

Assistant Vice President / Project Manager / Senior Systems Architect, Distributed Financial Systems

Provided applications and systems architecture for financial applications migration project moving Balance Sheet, General Ledger, Human Resources, and other mainframe-based systems to a distributed computing architecture on Sequent and Oracle RDBMS.

Provided development support and training to staff of 200 developers, production application support, capacity planning, tuning, operation procedures, and standards for entire distributed computing project.

Assisted developers with performance enhancement of applications using parallel programming and assisting them with SQL queries to validate data transformed and loaded from the mainframe accounting systems.

Managed staff of three systems administrators and provided backup for Oracle DBA support.

Provided technology selection including data transfer protocols, MVS system connectivity, liaison with Network Engineering, MVS System Services, Data Center Operations, and capacity planning.

Awards

Merrill Lynch President's Award for Excellence – First Quarter 1993.

Salomon Brothers Inc., New York, NY
Project Manager, Investment Banking Division

Aug 1987 - Oct 1991

Designed, implemented, and supported national network infrastructure for Global Headquarters and Domestic Branch Investment Banking offices, including standardizing the UNIX environment for 40 servers and more than 900 client nodes in the investment banking network.

Managed and supervised a staff of twelve PC and UNIX administrators, four software developers, and two network engineers.

Managed the move of the Investment Banking group to the new World Headquarters consisting of 900 node forty server SunOS/PC-NFS network with no service interruption.

Constructed five Investment Banking floors in 7 World Trade Center from bare concrete.

Awards

Salomon Brothers Business Technology Organization Communications Award – Feb 1991

Salomon Brothers Business Technology Organization Communications Award – Feb 1990

Technical Skills

Applications: Microsoft Office, iWork, Omni Graffle, Omni Plan, Adobe Acrobat Pro, Adobe Photoshop

Software: X Window System, CDE, GNOME, ZFS, GFS, Veritas, Sun Disk Suite, Apache/SSL, Apache (mod_perl, mod_ruby), Jserv, Jrun, Oracle Application Server, LDAP, DNS, NIS, Sendmail, Majordomo, Subversion, CVS, RCS, SCCS, Make, NFS, Automount, Samba, Secure Shell(SSH), Tiger, TCP-Wrappers, Tripwire, NMAP, SATAN, COPS, Snort

Database: Oracle 10g, 9i, 8i, 8.x, 7.x, PostgreSQL 8.x, 7.x, MySQL, Berkeley DB, Oracle Financials 11.0.3, Oracle OCS

Programming: Bourne Shell, Perl (Object Oriented, DBI, CGI, Tk), Objective C, C, SQL, Ruby, HTML, XML, UML, Java Script, PL/SQL

Systems: OpenSolaris, Solaris 11, 10, 9, 8, 7, Linux, Mac OS X, Mac OS X Server, SunOS 4.1.x, VMWare, VirtualBox, Windows 95 / 98 / NT / 2000 / XP, MVS (z/OS), TSO

Hardware: Macintosh, Sun SPARC, Intel x86, SPARC Storage Array, Sequent Symmetry, IBM 4341, 4381, 3090, Z-Series

Network: TCP/IP, PPP, NTP, HTTP, SMTP, POP3, IMAP, SNMP, NNTP, NAT, Berkeley Sockets, Cisco Router Configuration, Firewalls, IPsec, OpenVPN, pfSense, Security Analysis, SSH Tunneling, Oracle Net8, FIX, Bloomberg, Reuters, F5

Education

University of Texas at Arlington, Arlington, TX
Bachelor of Business Administration - Information Systems

1987

Vanderbilt, Nashville, TN
Graduate Student - Neuroscience / Psychiatry

Part Time/Current

Languages

English: Native

Japanese: Basic

References

Available on request.