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OBJECTIVE

Senior Enterprise Computing/Virtualization/SAN/Storage/Data Protection Consultant, Solution Architect or Cloud Computing Specialist

SUMMARY OF QUALIFICATION

An Enterprise Systems Consultant with over 20 years of experience in planning, designing, implementing and administering UNIX and Wintel--based systems, HA clusters, SAN and Enterprise Storage Solutions. Strong expertise and history of success in projects, focusing on Enterprise Data protection, disaster recovery and data migration. Wide knowledge and strong skills in Database Technology and Servers/Storage virtualization. Experienced in designing and building cloud computing infrastructure.

CERTIFICATION AND PROFESSIONAL RECOGNITION

IBM: [IBM Certified Advanced Technical Expert Power Systems with AIX 2009](#)
[IBM Certified Specialist Midrange Storage Technical Support V2](#)
[IBM Certified Specialist Enterprise Storage Technical Support V2](#)
[IBM eServer Certified Systems Expert pSeries HACMP for AIX 5L](#)
[IBM Certified Systems Expert. Virtualization Technical Support for AIX and Linux](#)
[IBM Certified Deployment Professional. Tivoli Storage Manager V6.1](#)

HP: [HP Master Accredited System Engineer \(MASE\) - Storage Solutions](#)
[Accredited System Engineer \(ASE\) - HP StorageWorks](#)
[Accredited Presales Consultant \(APC\) - HP Superdome Server Solutions](#)
[Accredited Presales Consultant \(APC\) - HP Enterprise Storage Solutions](#)
[Accredited Presales Consultant \(APC\) - HP StorageWorks XP Solutions](#)
[Accredited Integration Specialist \(AIS\) - HP BladeSystem Solutions](#)
[HP Certified Channel Partner Technical Professional on HP-UX 11.0](#)
[Accredited Integration Specialist - Speciality in HP Storage Works P4000 SAN Solutions](#)

SUN: [Sun Certified System Administrator for Solaris 10](#)
[Sun Certified Network Administrator for Solaris 10](#)
[Sun Workgroup Technical Certification](#)
[Sun Enterprise Technical Certification](#)

Red Hat: [RedHat Certified Engineer RHCE Red Hat EL3. Certificate number 803004306009903](#)
[RedHat Certified Engineer RHCE. Red Hat EL5. Certificate number 805007942626085](#)

Hitachi Data Systems: [Hitachi Data Systems Certified Professional - Modular](#)
[Hitachi Data Systems Certified Professional - Enterprise](#)
[Hitachi Data Systems Certified Architect](#)

EMC: [SE Accreditation - CLARiiON](#)

Oracle: [Oracle Database 10g Administrator Certified Professional.](#)
[Oracle9i Certified Database Administrator.](#)
[Oracle8i Certified Database Administrator.](#)

Symantec: [Veritas Data Protection Professional for Unix using NetBackup 4.5.](#)
[Veritas High Availability Professional for Unix using VCS 4.0](#)

Brocade: [Brocade Certified Fabric Professional](#)
[Brocade Certified SAN Designer](#)

VMware: [VMware Certified Professional. Virtual infrastructure 3](#)
[VMware Certified Professional. Virtual infrastructure 4](#)
[VMware Certified Professional. Virtual infrastructure 5](#)
[VMware Certified Professional. Desktop](#)

Isilon: [Isilon Certified SE Associate](#)
[Isilon Certified SE Storage Professional](#)

CISCO: [Cisco Data Center Storage Network Design Specialist](#)
[Cisco Data Center Storage Network Support Specialist](#)
[Cisco Unified Computing Technology Support Specialist](#)

NetApp: [NetApp Certified Data Management Administrator](#)
[NetApp Certified SAN Implementation Engineer](#)
[NetApp Accredited Installation Professional](#)

AREAS OF EXPERTISE

- Over twenty years of experience in administration, installation, programming, analyzing and troubleshooting. Successful history of design and implementation of complex multi-platform projects.
- Enterprise Virtualization and Consolidation, Cloud Computing (VMware, IBM Power Micro-partitioning, Hyper-V, Logical Partitioning, Workload management, vCloud Director). Designing, planning and implementing all components of Virtual Infrastructure, P2Vmigration, enterprise virtual desktop solutions.
- Implementation of UNIX (AIX, HP-UX, Solaris, Linux, True64) and Windows systems: upgrades, migrations, improvements, tuning, networking.
- Proficient in designing and configuring Enterprise SAN infrastructure using Fibre Channel switches, routers, bridges, gateways (Brocade, Cisco, McData, Qlogic)
- Designing, Planning and implementing Enterprise Storage Solution, based on leading technology products from HDS, EMC, HP, NetApp, IBM, Dell.
- All aspects of IBM AIX, HP-UX, SUN Solaris and Linux Capacity Planning, Performance Tuning, Systems management and automation.
- Oracle Server and tools; installation and upgrades; backup and recovery; database creation and replication, standby database solutions, Oracle capacity planning and storage requirements, database statistics and reports.
- All aspects of high availability solutions (hardware specification and configurations, software requirements, database integration etc.) on AIX HACMP/Power HA, HP MC/Service Guard, SUN/Oracle VCS, Linux and Microsoft (MSCS, Double Take), EMC Recover Point platforms. Metro cluster and Storage based replication solutions.
- All aspects of planning, designing and implementing of Enterprise backup solution using leading backup and recovery products: Tivoli Storage Manager, Veritas NetBackup, Symantec Backup Exec, Legato NetWorker, HP OmniBack, CommVault, Acronis on multi-platform environment. Disaster Recovery Solution including long distance data replication.
- Oracle Server and tools; installation and upgrades; backup and recovery; database creation and replication, standby database solutions, Oracle capacity planning and storage requirements, database statistics and reports.
- Cross platform on-line data migration
- Advanced Shell and C programming. Full-cycle application design.
- Knowledge transfer and customer support

WORKING KNOWLEDGE OF COMPUTER PRODUCTS

- **Operating Systems:** IBM AIX, HP-UX, Solaris, Microsoft Windows NT, 2000, 2003, 2008, Windows 7, Vista, XP, RedHat Linux, SUSE Linux, Open VMS
- **HA Clustering SW:** IBM HACMP/Power HA, Symantec/Veritas VCS, HP MC/ServiceGuard, Sun Cluster, Microsoft MSCS, Oracle RAC, NSI Double-Take and Geo Cluster, Linux clustering
- **Virtualization Platforms:** VMware ESX, vSphere, and View, IBM Power Micro-partitioning, XEN, KVM.
- **Server HW:** IBM Power VM, HP9000, SUN SunFire series, IBM P-series, IBM x-series, HP Proliant, HP Alpha, Blade Servers technology (Cisco, HP, IBM, Dell, Sun).
- **Storage HW:** HDS USP, USP-V, USP-VM, TagmaStore, AMS/WMS, HiNAS; EMC VNX, Clarion, DMX, Symmetrix; NetApp filers; HP EVA, MSA, P4000, 3PAR; IBM DS, XIV, V7000, SVC; SUN StoreEdge
- **Storage SW:** HDS True Copy, Shadow Image, Quick Shadow, Hi-Command, Dynamic Path Manager, EMC Navisphere, Timefinder, SRDF, Powerpath, Recover Point, HP CommandView, Secure Path, IBM System Storage Productivity Centre.

- **SAN Switches:** Brocade, Cisco, McData, Qlogic
- **Backup SW:** Veritas Netbackup, Tivoli Storage Manager, Symantec Backup Exec, Legato Networker, HP Data Protector (Omniback), Oracle RMAN, CommVault, Acronis, NetApp SnapVault
- **Database:** Oracle 8, 8i, 9i, 9i, 10g, 11g, RAC, Microsoft SQL, Informix, FoxPro, ADATABASE
- **Volume Management (LVM):** Veritas Volume Manager, HP-UX LVM, AIX LVM, True64 LSM, Linux VM.
- **Performance Tuning:** Solaris, HP-UX, AIX, Linux, Windows NT, 2000, 2003, 2008
- **Monitoring Frameworks:** HP Openview (ITO, OVO, Measureware, PerfView, Network Node Manager), IBM NetView, BNC Patrol, HDS Hi-Command
- **Security:** SSH, SSL, IPchains, IPTables, TCP Wrappers, Tripwire, port scanners, WireShark.
- **Programming:** Korn shell, Awk, Sed, Perl, C/C++, Java Script, Fortran 90, Fortran 77, Pascal, Assembler

EMPLOYMENT HISTORY

FlexITy Solution Inc.

Richmond Hill, Ontario

05/2005 – present Data Centre (DC) Group Lead/Senior Solution Integration Consultant

- Manage DC Professional Service Group, responsible for LoE estimation, resource allocation and service delivery.
- Provide strategic consulting, solutions design, implementation, control and support in data migration, data center consolidation and virtualization projects for Enterprise customers.
- Design and implement Tiered Storage infrastructure and DR solutions for financial institutions and government organizations using storage and SAN based replication technologies and Enterprise storage software.
- As storage architect provided ongoing consulting services and have been responsible for developing strategic storage roadmap for one of the major Canadian financial organization.
- Developed and implemented virtual datacenter infrastructure for different clients using converged network infrastructure, Cisco UCS blade centres, VMware VSphere, vCloud Director (vCD), NetApp, Isilon, HP P4000, 3PAR, HDS USP and AMS storage.
- Participate in presales activities, build POCs, prepare demos for potential clients, and assist sales team in preparing RFP responses.

Infostream Technologies Inc.

Richmond Hill, Ontario

03/2001 – 05/2005 Principal Consultant

- Led numerous Enterprise Storage and SAN engagements using variety of Disk Arras (HDS, EVA, EMC, SUN StoreEdge, NetApp), Fiber Channel Switches (Brocade 12000, 6400, 3900, 3800, 2800, McData 6064, 4500) and operating systems (SUN, AIX, HP-UX, Windows, LINUX).

- Designed and Implemented Metro Storage Solutions and Disaster Recovery Protection using SAN infrastructure, HDS 9970,9960, 9570 disks arrays and True Copy, Shadow Image, Quick Shadow, CCI software.
- Developed and implemented Enterprise Backup solutions with Disaster Recovery protection, based on Veritas Netbackup 3.4, 4.5, Tivoli Storage Manager 4.2, 5.2 and HP Data Protector (Omniback) 5.1. Integrating NetApp filers in backup infrastructure. Integrating Oracle, Informix, SQL and MS Exchange backup/recovery with Enterprise backup.
- Provided technical leadership in numerous High-Availability engagements implementing Veritas Foundation Suite, VCS, IBM HACMP, HP MC/SG and NSI Double Take.
- Managed new systems migrations, upgrade installations and system rollouts within time and budget constraints.
- Implemented Oracle 9 RAC on AIX, HP-UX, and LINUX in stretched cluster configuration. Working with Oracle, HP and IBM teams designing and configuring “showroom” Oracle 9 RAC installations.
- Designed, configured, and implemented an enterprise custom JumpStart server infrastructure supporting Solaris 2.6, 7, 8, and 9 installations and upgrades and Ignite HP-UX Server supporting HP-UX 11.0 and 11.i. This engagement included designing of sophisticated scripting solution.

Nortel Networks

Brampton, Ontario

07/2000 – 03/2001 **Capacity Planning and Performance consultant. Contract.**

- Performance analysis, reporting, and problem determination for mixed UNIX environments of over 400 servers worldwide using BNC Patrol software tools, HP MeasureWare, HP PerfView and native Unix tools.
- Evaluation, recommendation and implementation of next generation technologies.
- Plan UNIX capacity, architecture and manage performance to assure efficient utilization of corporate computing assets.
- Provide system specifications, present solution to clients, management and support departments, consult client representatives, negotiate solutions with vendors. (HP-UX, Sun Solaris, IBM AIX, Enterprise Storage).
- Proactive utilization monitoring of production environment.
- Provide recommendations on global and specific performance issues in various UNIX environments.

GE Capital Information Technology Solutions

Mississauga, Ontario

04/1998 – 06/2000 **Enterprise System Integration Specialist**

- Installing, configuring and administrating UNIX, Open VMS and Windows NT operating system. (AIX, HP-UX, Digital UNIX, Solaris, Open VMS 7.1, Windows NT 4.0, Windows 95/98). Developing different scripts for network backups and performance monitoring. Installing and configuring new hardware and software. Helping customers in problem determination and developing

solutions. Korn, C-shells and VMS DCL advanced scripting. Customer telephone support and consulting.

- Planning and designing IBM SP systems. Installing and configuring IBM SP&PSSP frames and nodes. Upgrading software and hardware, installing patches.
- Planning, installing, configuring and testing IBM HACMP and HP MC/Service Guard Clusters (SSA, SCSI, AutoRaid and EMC disk arrays).
- Performing Oracle 7 & Oracle 8 database installation, administration configuration and tuning on HP-UX, AIX and IBM SP&PSSP environment, developed scripts, reports, RMAN and EBU backup procedures. Designing physical and logical schemes. Supporting and administrating production Oracle databases for a big telecommunication company. Developing SQL and PL/SQL scripts.
- Preparing proposals and technical solutions for Enterprise backup and recovery systems. Installing, configuring and tuning ADSM, Legato NetWorker, OmniBack Enterprise network backup and recovery systems for different customers, including database data protection.
- Installing and configuring RAID arrays, upgrading RAID controllers. (Digital StorageWorks HSZ-40, HSZ-50, HSZ-70, HSZ-80, ESA-1200 fiber channel, IBM SSA RAID arrays).
- Developing database front-end and database logical structure for warehouse system (FoxPro 5.0).

Sector 7 Canada Inc.

Toronto, Ontario

06/1997 - 02/1998 Sr. Software Engineer. Team Leader

- Leading a team, developing Software products for automated migration from RSX-11 and Open VMS systems to Digital Unix. (C, sockets, DecNet/OCI, Fortran-90, Fortran-77, Oracle Embedded SQL, Oracle Forms, Lex & YACC.

RADEK State Enterprise.

Ukraine

1988 - 1997 Team Leader. IT Department Manager.

- Designing, implementing and later managing operation of the automatic radiation monitoring system of the Chernobyl region (VAX, PDP-11, IBM-PC, Novel NetWare, ADATABASE, FoxPro, Pascal, Assembler, device driver programming).

EDUCATION

2004	Red Hat. Linux	Linux System Administration
2003,2002	Oracle	Oracle 9i RAC administration. Oracle 9i Database performance Tuning
2003	Sun Microsystems	Capacity Planning and Sizing for San Platforms Sun Fire Applied Solutions
2001	Hewlett Packard Canada	Managing SureStore Disk Arrays XP Series

1999	IBM Canada	Implementing Tivoli ADSM V3
1998	IBM Canada	AIX V4 Advanced System Administration Advanced Topics in AIX TCP/IP Communications RS/6000 SP Planning and Installation
1981-1985	Polytechnic University Novocherkassk, Russia.	Master degree in Computer Science, Honor Diploma.

REFERENCES

Available upon request.