**Gurpreet Malhotra**

McKinsey & Company

Gurgaon, India.

**UNIX Technology Lead**

**IBM Power Virtualization, AIX, Storage Area Network and Splunk**

**Profile** Unix Technology Lead with 8.5 years of IT experience in Unix/Linux/SAN administration with core competency in IBM Power virtualization and AIX solution designing.

**Professional Summary**

* Excellent project management and planning skills.
* Experienced in creating and managing LPARs on different IBM servers like p575, p595, p690, p720, p740, p770 and S824
* Experienced with installing and upgrading operating system on client using various methods including NIM installation using and creating lpp\_source and SPOT
* Experienced in migration of AIX servers from 5.1 to 6.1 and to 7.1.
* Experienced in migration of server from P5 to P7/P8 hardware and migration of servers using VSCSI to NPIV.
* Experience with NIM installation, setting up NIM servers and clients and defining various NIM resources like lpp\_source, SPOT,mksysb, image.data, bosinst.data. Upgrading the lpp\_sources.
* Experience in migrating mksysb from 6.1 to 7.1
* Installation, configuration, upgrade and administration of VIO server and VIO client LPAR’S via HMC and configuration of the virtual devices and adding/removing devices using DLPAR.
* Experienced in VIO migration from 1.5 to 2.1 and virtualization of standalone servers.
* Experienced in doing firmware upgrade on power servers and firmware of HBA’s.
* Administration and maintenance of gpfs servers and clients.
* Experienced in HMC upgrade.
* Experienced in TSM administration.
* Excellent at Korn shell scripting, automated many time consuming tasks.
* Experienced in zoning on Brocade switches and provisioning of storage from SVC and V7000.
* Experienced in designing, implementing and maintaining a Splunk log collection solution for the Performance Engineering environments.
* Experienced in creating, testing and deploying Splunk operational search strings.
* Experienced in creation of Splunk reports and dashboards.
* Experienced in configuration, maintenance and troubleshooting of HACMP 5.4, 5.5, 6.1.
* Experienced in creating, managing Linux on Power and managing linux virtual machines     hosted on VMware.
* Adept at monitoring and managing file system usage, hardware and system process failures

**Technical Skills**

**Operating Systems:** AIX 5.1, 6.1, 7.1, VIO and Suse Linux.

**Storage Area Networking:** IBM XIV, V7000, DS8000, IBM Flash, Brocade switches 48000.

**Tools:** HACMP, TSM, Splunk, Uptime, GPFS, VSM, CMDB etc.

**Programming/Scripting Languages**: Korn Shell scripting, Python, HTML, JavaScript and C/C++.

**Key Certifications**

* **IBM Certified Specialist** – System p Administrator for AIX 5L V5.3 (UNIX)

# High Availability for AIX **- Technical Support and Administration**

**Professional Experience**

**UNIX Technology Lead, April 2012 – Present**

**Organisation: McKinsey & Company**

**Client: McKinsey & Company**

* Leading a team of 5 highly talented L3 professionals, responsible for driving and planning new projects and coordinating with Systems architects.
* Responsible for Problem Management, finding RCA’s, initiating/planning projects based on problem identification and solution implementation.
* Responsible for working on issues escalated by L2 support.
* Work directly with client to understand their requirement and recommend solutions.
* Responsible for documentation of solutions and procedures for L2 team to follow.
* Planning and execution of projects like VIO upgrades, HMC upgrades, AIX migrations and upgrades.
* Prepared and lead the plan for migration of AIX Lpars from P5 hardware to P7/P8 hardware along with vscsi to NPIV migration.
* Configuration, planning and building of new lpars.
* Responsible for automation of time consuming procedures like zoning, mapping of luns from vios servers to clients etc.
* Prepared and lead the Firmware upgrade on Power servers.
* Worked along with System architects in defining the standards for new data centre to make it ISO compliant.
* Planned and prepared the Linux on Powers servers for new GPFS setup.
* Executed SVC firmware upgrade to 7.3.0.4.
* Responsible for Zoning and LUN provisioning from SVC and V7000.
* Responsible for creating, testing and deploying Splunk operational search strings.
* Responsible for creation of Splunk reports and dashboards.
* Planned and implemented new GPFS infrastructure for Oracle RAC servers.

**Subject Matter Expert - RFS Team, April 2010 – April 2012**

**Organisation: IBM India Pvt Ltd.**

**Client: IGA US (Request for Services Team)**

* Was responsible for working on issues escalated by L2 support.
* Implementation of new VLANs for client.
* Worked directly with client to understand their requirement and recommend solutions.
* Was key member in migration of VIO’s from 1.5 to 2.1
* Was part of AIX migration from from 4.1 to 6.1
* Set up of new new NIM servers.
* Migration of servers from one storage to another at OS level.
* Virtualization of standalone servers.
* Configuration and building of new lpars and new lpars.
* Configuration and setup of new HACMP servers.
* Was responsible for support of VIO’s
* Regular on call for VIO support team.
* Transition of servers from Build to Steady state support
* Responsible for support on deployment of new application and services.
* User management. Adding a new user account, Creating and changing user passwords, Changing user attributes.
* HMC upgrades, firmware upgrade of Power servers and HBA’s.

**Sr. System Engineer, October 2007– April 2010**

**Organisation: Wipro Technologies, Bangalore**

**Client: Shell Petroleum**

* Responsible for L1 & L2 support.
* Patching, Installing fixes, TL upgrades through NIM
* Storage migration, HBA microcode upgrade.
* Handling other day-to-day AIX/HACMP issues. Creating volume groups, logical volumes, file systems and NFS mounts in cluster and standalone systems, adding, changing and deleting file systems in HACMP environment, HACMP tests, and Synchronizing HACMP resource groups
* Written scripts to perform day-to-day tasks, especially to check various settings.
* Implemented Secure Shell in Production servers.
* Network File system Administration for Servers and Clients,
* Importing Exporting File systems, Troubleshooting NFS.
* Installing AIX through NIM
* TSM configuration on client side.
* Restoring backup using TSM on client other than on which it was taken.
* HACMP upgrades from 5.2 to 5.3 and from 5.3 to 5.4 and OS upgrade.
* Installation, Configuring and maintaining VIO servers.
* Assigning disks, Ethernet adapters and SCSI adapter through VIO servers.
* User management. Adding a new user account, Creating and changing user passwords, Changing user attributes.
* LPAR move, co-ordinating with storage team.
* Capacity upgrade to the existing systems dynamically through HMC for physical adapters, memory, CPU.
* Responsible for knowledge transfer to T-systems folks.
* Direct interaction with Client on key deliverables.
* Continuous support and coordination between client and Wipro

**Professional Trainings**

* **AU14** AIX5L System Administration – Implementation (Wipro Technologies)
* **AU16** AIX5L System Administration II - Problem Determination (Wipro Technologies)
* **AU18** AIX System Administration -III Performance Management (IBM India Pvt. Ltd)
* **AU13** Korn Shell and Bash Shell Scripting (IBM India Pvt. Ltd)
* ***AU61***HACMP System Administration II: Administration and Problem Determination (IBM India Pvt. Ltd)
* ***AU08*** *Planning and configuring* NIM server (IBM India Pvt. Ltd)
* **AU73** System p LPAR and Virtualization I: Planning and Configuration (IBM India Pvt. Ltd)
* IBM **Tivoli Storage Manager 6.1** Implementation and Administration (McKinsey & Company)

**Education**

* Bachelors in Technology from Guru Nanak Dev Engineering College, Ludhiana, 2007.

**Contact Details**

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