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**NIRMALYA MUKHERJEE**

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| **Experience Summary** |
| **\* Total 13 years’ experience in IT. About 11 years are in Linux level 3 server support .As an Administrator Technical Lead ; Implementing Linux based services like****Redhat HA Cluster , Redhat Cluster Command mode administration ,HP Service Guard Cluster basic trouble shooting ,VCS cluster.Cluster LVM ,LVM Mirroring ,Snapshot ,LVM Backup Restore ,GFS2, GFS2 fine tuning, Maintaining , Trouble Multipathing Issues ,Cluster Quorum administration . Basic Microsoft Azure and AWS concept.HPC Clusters, Red hat Satellite servers, Customized Channel creation , synchronization, Patching .RHDS Directory Servers SSSD client configuration , Proxy, DNS, and DHCP, implementation, MYSQL Multi master replication on various client sides. Implementing/managing Redhat Satellite. Basic knowledge, Automation with HPSA and Ansible ,troubleshooting on HP Service Guard Cluster. Work Experience on HPE HELION Virtual Private Cloud. Worked with ESX – VMWARE environment , managing about 3000 virtual clients .****Deploy, configure and maintain Infrastructure as service - IAAS on Azure cloud/AWS cloud.** **I have a strong background in cloud computing, cloud automation, cloud networking, load balancing and testing with experience serving 1000 above linux clients. Experience on private /hybrid cloud for 2500 linux servers .** **Collaborates with other business units as necessary to evaluate cloud readiness of services.****Working knowledge with , Cisco UCS , Oracle Linux with Data Base .**\* 3+ years’ experience in Hardware & Networking for Supporting server & Desktop Systems.A broad knowledge of the IT industry, strong desire to learn and adapt to the latest in technology that effectively contributes to the growth of organization.**Major Strength Area:** Linux all level support & deployment (HA Cluster ). Finding RCA for critical issues.Linux System Administration & Linux based system integration projects (RHEl4 & RHEL-5/6)Basic MS Azure and AWS .Automation with HPSA , Ansible.  |

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| **Education** |
| **Title of the Degree with Branch** |

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| **College/University** |

 | **Year of Passing** |
| B.Sc | Calcutta University | 1998 |
| Higher Secondary (10+2) | JANAI Training High school | 1994 |
| SSLC | BEGAMPUR High school | 1992 |
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**Certification:**

* **Red Hat Certified Engineer** (RHEL-**5**) **Certification No. 805007148829295** - Year - 2007
* **IBM AIX 6 System Administration Registration no: V54SYD520D -** Year – 2011

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| **Technical Skills** |
| **Red Hat Linux/Cloud .** | * Design and Implement Red Hat Linux 4, 5, 6 (Kick-start, PXE, DHCP, TFTP, NFS, RHN Satellite, RHN Proxy, Private channel).
* Configuring RAID, SCSI Disk, LVM, LVM Mirroring, Cluster LVM.
* Patch management (rpm/yum),HPSA , Ansible . Kernel Tuning, Kernel compile, Local repository creation.
* User, Group and File System management (SUDO , ACLs , SUID , GUID , stikybit, Auditd, System logging)
* Scheduling System Tasks (at,cron) , Backing Up and Restoring Files (tar , cpio , zip, gunzip , dump)
* Deploy, configure and maintain Infrastructure as service - IAAS on Azure cloud/AWS cloud .
* I have a strong background in cloud computing, scripting, networking, vitalization, and testing with experience serving 1000 above linux clients. Worked with private cloud manning 2500 linux clients .
* Collaborates with other business units as necessary to evaluate cloud readiness of services.
* Security Issues SELlinux , Firewall (IP Tables) , TCP Wrappers
* Red Hat Linux Cluster, Network Teaming /Bonding, DM-Multipath, EMC-power path, GFS2 file system configuration, High performance cluster (HPC).
* Monitoring and performance ( top , ps ,sar , mpstat ,vmstat ,iostat) .
* Trouble shooting system log (/var/log) , Shell Script (bash, Perl)
* Configuring SAN BIOS for SAN boot environment.
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| **VMware ESX**  | * Configure and Manage VMs, cloning, Template creation .Vmware tools ,Hardware Version Installation .VM Migration .
* DC /DR management .
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| **AIX** | * Design and implement of AIX 5.3, 6.1 on IBM Power 5, 6 servers.
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| **Networking**  | * Basic concept of LAN , WAN , Switch ,Router, Firewall , LB, Proxy
* Basic Concept of Protocols TCP,UDP,ICMP,ARP
* Testing and Trouble Shooting Network (route,traceroute ,dig,nslookup, nmap , netstat ,rpcinfo, etherieal ,arp)
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| **RHN Satellite** | * Implementing and configuring satellite server
* Channel cloning
* Private channel creation
* Managing system entitlement
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| **RedHat Cluster** | * Configuring and managing Redhat cluster (HA) with quorum disk. Cluster command Level . GFS2 fine tuning .
* Configuring GFS2 and CLVM
* DR and Data center setup with Redhat cluster
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| **Scripting** | * Bash and shell scripting
* Scheduling jobs through script
* Creating script for automation and tools installation, Server Hardening.
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| **Hardware** | * Trouble shooting and maintenance of computer hardware.
* Assembling & Disassembling of PCs, Servers, Rack, KVM
* HP- DL, BL, ML series, IBM xSeries, Power systems, Blade Sever Model, Dell Power Edge servers.
* Manage Servers console through RILO/DRAC/RSA/IMM.
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| **Software/Tools** | * MS-Office , Microsoft Visio , BMC Remedy ITSM tool
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| **Relevant Project Experience** |
| **Associate Consultant(E3)****HCL Technology From 31stJuly 2017 to 23th sept 2020.****L3 + Specialist** **Hewlett Packard Enterprise Global Software (Now DXC Technology )**Client – **German financial company**Start Date: 15th June 2016End Date: Till Date | Worked as technical delivery lead .Maintaining Redhat and Oracle Linux virtual/physical environment.Server management through Ansible , HPSA.Deploy, configure and maintain Infrastructure as service - IAAS on Azure cloud. I have a strong background inscripting, networking, vitalization, and testing with experience serving 6000 above linux physical/virtual servers.Collaborates with other business units as necessary to evaluate cloud readiness of services.Deeper Trouble Shooting and analyzing daily Incidents/Tickets/Service requests. Critical issues like Multipahing/Path failure, File system/Oracle read only mode Unexpected node reboot ,ESX Host disconnection . Involved regular maintenance activities like Patching multiple servers. KDUMP configuration. Storage up gradation. Co ordination with Vendor like VMware/Oracle/Cisco/EMC.Applying fixes patches . Server performance monitoring and Fine tuning from application end . Resource handling. Taking ownership on RCA, Problem tickets. Working as technical lead and synchronized with team member’s .KB sharing .Basic trouble shooting with EMC scale IO Virtual storage. Cisco UCS running with ESX Boxes.Linux Level 3 + support for German Banking project Handling Production Servers , Server configuration & Implementation,Working Experience with HP Helion Could Operation TemSupporting Virtual Private Could Infrastructure.About 25000 Redhat Servers (Physical/VM) around the world maintenance. Red hat cluster on production environment.Multiple server configuration through HP tool HPSAPatching with Manual/HPSA.Redhat Cluster Support.GFS2 maintaining. Fine tuning GFS2.HP Service Guard basic maintenance like service failover, fail back, detaching cluster node, re-joining node.Worked on HP tools like HPOM, CSA, HPOOAutomation.Worked on Priority Incidents/Changes like New LUN attaching in Prod HP Data Protector Service Guard Cluster.Redhat/HP Service Guard Cluster node patching.Working on critical Tickets like Cluster File system issue, Multipath device removing, FCOE SAN Booting server Driver issue.Worked on HPSA Satellite for Package /Software Policy maintenance.  |

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| **Relevant Project Experience** |
| **As Technical Specialist**with**IBM INDIA PVT LTD**Client – **US financial company**Start Date: 31st Dec 2012End Date: June 2016 | Linux Level 3 support for US Banking project Server build, Server configuration & Implementation, Supporting Red hat cluster on production environment.Quality Analysis’ (QA), Patch scanning before final production delivery.SAN booting environment.Scripting for automated installation and configuration.Tools installation and customization like Tivoli Monitoring.Supporting 24 x 7 production environment.Satellite server implementing and maintaining.Satellite proxy server implementing and maintaining.Creating private channel and Syncing with Parent Channel.Managing system entitlement. Channel Cloning.RHN Satellite provisioning.Deployment and Managing Redhat HA cluster with GFS2 file system.Worked with LUCI &RICI environmentsConfiguring Quorum settings for multi nodes Cluster.Worked in VMWARE /ESX environment.VM deployment from Template.Creating Template from existing VM.Backing up VM configuration and vmdk.Worked with Bash and shell scriptingCreating script for automation and tools installation, Server Hardening.At the time of Decommission of old servers automated the process with bash/shell scripting.Worked in AIX environments.Worked in Patch Management, Rootvg mirroring in AIX system.AIX LVM management, SAN disk presentation to AIX servers, |
| **As Support Executive Tech Solution**with**Embee Software Pvt Ltd**Client –**Saha institute of nuclear Physics** Client2 – **Indian association of cultivation of science (IACS.com)**Client3 **– United bank of india on behalf of HP India.**Client4 **– IIT, Bhubaneswar**Client5 **– ISR , PUNE**Start Date: 20th July 2009End Date: 28th Dec 2012 | * All level of Linux support & designing Solution.
* Executing Linux based system integration projects.
* IBM AIX related support .Linux HA Failover Clusters running on RHEL5.2/ 5.4 / 5.5 & RHEL6
	+ SAN storage.
	+ Multipath.
	+ MYSQL /APACHE in Red hat Clustered Environment.
	+ Live production server. Cluster environment for SAP , Oracle
	+ Oracle RAC on RHEL5.3 and HP Itanium Environment.
	+ Configuring cluster with GFS & CLVM.
* HPC and Load Balancing Cluster
	+ Blade server environment – HP, BL-280C / 220C, G6
	+ OSCAR 6.05 with RHEL5 / CENTOS5 / FEDORA
	+ SAN storage.
	+ ROCKS.
* REDHAT Directory Server (RHDS)Installation and Configuration
* Squid configuration with LDAP
* Samba / ftp Authentication through LDAP
* REDHAT Load Balancer Cluster Through PIRANHA
* Open source Trouble Shooting and Maintaining.
	+ Driver Installation and Configuration of Server.
	+ SUSE Enterprise Linux, Fedora Core, Centos support.
	+ Linux based third party software deployment.
	+ Pre installing environment configuration of High End Database – Oracle.
* Presently maintaining 4 HA Cluster Environment (IBM-HP), 7 HPC Environment.
* Mail server configuration and maintaining. POSTFIX, squirrellmail, sendmail configured.
* RHDS (ldap authentication)
* File server SAMBA, FTP.
* Squid configured with Squid Guard and authenticated through RHDS, ADS
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| **As Linux Administrator**with**SEMAPHORE TECHNOLOGIES PVT LT &Manzula Plaza PVT LTD.**Client1 **– Government of West Bengal (PHED)**Start Date:1st March 2008End Date : 18th July 2009 | * Implementing securities in Live server. Continuous monitoring with port scanning and other utilities like Wire shark, Nmap etc.
* Firewalls, iptables implemented in some level. Security management through TCP Wrappers Access controlling through Xinetd.
* Maintaining Linux Live web server ([www.wbphed.gov.in](http://www.wbphed.gov.in/)).
* Monitoring external connectivity with different and tools. Implementing webserver.
* Configured DNS with different views for intranet and internet.
* Live server monitoring tools like NMAP implemented.
* Maintaining Central squid proxy server. Clients are connected with WSWAN throughout the West Bengal. Implemented the internet accessing policy through Site blocking, access control list, user authentication through Userid& Password etc. Monitoring squid log in details for It Policy.
* Crontab created for running backup scripts in schedule Time.
* Samba configured for backup of live server data to LTO connected with Windows 2003 server.
* In case of Live server failure backup server configured.
* Monitoring Primary DNS for Live server and Other DNS for intranet.
* Secured FTP site implemented for an Organization.
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| **As Field Engineer**with**COMPANY: INFOTRONIX CHANNEL.**Start Date:1st February 2004End Date : 29th February 2008 | * Maintaining clients running with Windows 2000 Server.
* System administration, maintaining backup process through DAT and support the clients remotely through Net-meeting / P.C Anywhere. SAP installed in client end only.
* Supporting the clients running with Windows XP, Windows2000 Professional, Configuration and the Mail system with MS Outlook.
* Backup purpose REDHAT (RHEL5) installed. Configure NFS, DNS, and HTTP.
* For secured Internet access SQUID Installed and. tested in widows client system
* For Windows File Sharing SAMBA configure.
* Experience Grub, network related Trouble Shooting.
* Printer installed with IPP.
* Yum configured
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| Personal Details |
| Residence Address | C/o – Late Prof – GobindoPada Mukherjee ,Village Adan ,P.O-Janai ,Dist-Hooghly |
| Date of Birth | 06/12/1976 |
| City of Birth | Hooghly |
| Marital Status | Un-Married |
| Nationality | Indian |
| Passport No.  | K8119877 |
| Passport Issue Date | 04/03/2013 |
| Passport Expiry Date | 03/03/2023 |
| Hobbies  | Listening Music, Reading Books |