**Saurabh Kumar Mishra**

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<https://saurabhmi2212.github.io/Portfolio/>



**Summary:**

* 11 years’ + experience in UNIX/Linux System Engineering and Cloud operations.

**Work Experience:**

* Vodafone India Services Pvt Ltd. (29 June’17-Till Date)
* Sapient Consulting Pvt Ltd (18 Jan’16-27 June’17)
* HCL Technologies Ltd. ( 21 Oct’13 – 14 January‘16)
* Navisite India Private Limited. ( 11 March’13- 11 October’13)
* Ericsson India Global Services Pvt Ltd. (7 March’11-8 March’13)
* HCL Technologies Ltd-IOMC. ( 03 July’09 – 4 March’11)

**Technical Skills:**

* Cloud Environment: Google Cloud Platform (GCP), Amazon Web Services (AWS),), Azure
* AWS Services: VPC, IAM, S3, Elastic Beanstalk, route 53,DynamoDB, Direct Connect, Storage Gateway, SQS, SMS, SNS, and SWF.
* GCP Services: Compute Engine,App Engine,Kubernetes Engine,Cloud Run,Storage
* Operating Systems: Linux (Red Hat, CENTOS & SUSE), Ubuntu, Solaris,Windows.
* Scripting: Shell Scripting.
* Version Control Tools: GIT, GITHUB.
* Containerization Tools: AWS ECS, Kubernetes
* Automation & Configuration Tools: Puppet.
* Orchestration Tools: Kubernetes,Google Cloud Engine.
* Networking Protocols: TCP/IP, DNS, DHCP, Cisco Routers/Switches, WAN, LAN, FTP/TFTP, SMTP.
* Monitoring Tools: Nagios, AWS Cloud Watch.

**Redhat Linux 5, 6**

* LVM, File System Administration, DNS, package management via RPM/YUM, NTP, KVM
* Kdump Configuration, Kernel Upgrade, Tuning and performance analysis, SWAP Addition
* HPDP Installation, Firewall Management, server build using HPSA,DR Setup and planning, Server Decommission, evaluate and implement new software and hardware products.
* File Server: SAMBA, NFS, AutoFS.
* Mail Server: POSTFIX, DOVECOT.

Web Server: APACHE, Tomcat Server.

**Amazon Web Services**

* Hands-on experience on Amazon EC2, Amazon S3, Amazon SimpleDB, Amazon RDS.
* Application Migration to Cloud
* Cloud Ready and Cloud Native
* Elastic Load Balancing, Amazon SQS, and other services of the AWS family
* High-Availability, Fault Tolerance, Scalability, Database Concepts, System and Software
* Architecture, Security, IT Infrastructure, Virtualization, and Internet Technologies
  + Virtualization experience
  + Amazon – 5+ years’ experience
  + laas, PaaS, SaaS virtualization. 5+ years of experience

**Virtualization:**

* Vmware ESX, LDOM, Zones.
* Managing VMware infrastructure environment with 25 ESX servers, 500+ virtual machines
* Creating and managing resource pools and adding the VM’s into resource pools.
* Creating and managing virtual machines and installing VM Tools into VM’s.
* Manage VM’s using VMware virtual center.
* Snapshots, Cloning, cold migrations and hot migrations.
* Moving VM’s from one LUN to another LUN using Storage VMotion..
* Configuring alarms
* Troubleshooting problems with the help of Event Logs.
* Manage task, events and alarms.
* Troubleshooting virtual machine issues.
* Manage users, groups, permissions and roles
* Troubleshooting on host failure and storage disconnection issue

**Sun Solaris 10(Sun Certified System Administrator)**

* Physical to Virtual Migration of Sun Solaris legacy servers.
* End to End Storage Migration which parts of LDOM .
* Package and Patch Administration, Backup and Restore, Servers: NFS, Auto FS, NIS, Jumpstart
* Solaris Volume manager (SVM), Solaris Zones,LDOM,installed Sun Solaris 10 on 50 servers(Sun Blade),Configure and implemented Sun serverv240,v440,v880,v245
* File System Administration, Boot PROM Administration, User Administration,LDOM Creation,
* Hardware and Software RAID, Process Administration, Service Administration
* Package and Patch Administration, Backup and Restore, Servers: NFS, Auto FS, NIS, Jumpstart
* Solaris Volume manager (SVM), Solaris Zones,LDOM,installed Sun Solaris 10 on 50 servers(Sun Blade),Configure and implemented Sun serverv240,v440,v880,v245

**Programming Language: Shell Scripting.**

* Implemented Script of Daily and weekly Health Checkup.
* Implemented Script for auto data recovery applications.
* Implemented Script for databases size reduction on Oracle Server.
* Cleanup Script.
* Developed Application for PSM Tools.
* Created various scripts for different telecom applications .

**Veritas Volume Manager**

* Basic Disk Operations, Managing Disk Groups and Volumes, Tasks of Volume creation and Resizing, Installation and Configuration of IO fencing.

**Veritas Cluster Server**

* Basics of clusters, Performing basic cluster task(online/offline) a resource, failover, switch a service group etc), checking for the error logs for any issue in cluster, IO Fencing, Installing and configuring cluster.

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| **Software skills:** |  |  |
| Languages Known | : | C, C++, C#, HTML, SQL, Core JAVA, J2EE. |
| Database | : | MYSQL, Sybase. |
| Operating Systems | : | UNIX Sun Solaris, Redhat Linux, Windows, HP UNIX. |
| Web Servers | : | Apache HTTP Server, Tomcat 5.0. |
| Tools | : | BMC Remedy, ITSM, HP OVO, Citrix, Service-now |

**Project Experience**

**Project 1:**

**Client : Vodafone Group (Germany, Italy,North &South Region Europe)**

Duration **: June 2017-Till Date**

Role: Manager

* Maintaining Unix and Linux Servers mainly Solaris 9,10,11, RHEl5, RHEL6 RHEL7 & Vmware Environment
* End to End Storage Migration
* End to end to Physical to virtual Migration
* Optimization & assessment of services for organizational cost saving
* Handling change management, Internal CAB meeting and SLA reports
* Problem management
* Handling performance/tuning, capacity planning, and patching. Provided third tier system support.
* Handling escalations from Tier1 and Tier2 teams.
* Interfacing with vendors to evaluate and implement new software and hardware products..
* Involved in writing and modifying scripts for application deployments as well as system monitoring
* Involved in developing and overseeing the backup, replication, clustering and fail over strategies.
* Analyze the issues that hamper the performance of the system, and to work in close coordination with the product development team and recommend the solutions for the issues.
* Upgrade and configure system software that supports infrastructure applications or Asset Management applications per project or operational needs
* Linux Kernel and Performance Tuning Issue
* Vmware ESX, LDOM, Zones.
* Managing VMware infrastructure environment with 25 ESX servers, 500+ virtual machines
* Creating and managing resource pools and adding the VM’s into resource pools.
* Creating and managing virtual machines and installing VM Tools into VM’s.
* Manage VM’s using VMware virtual center.
* Snapshots, Cloning, cold migrations and hot migrations.
* Moving VM’s from one LUN to another LUN using Storage VMotion..
* Configuring alarms
* Troubleshooting problems with the help of Event Logs.
* Manage task, events and alarms.
* Troubleshooting virtual machine issues.
* Manage users, groups, permissions and roles
* Troubleshooting on host failure and storage disconnection issue

**Project 2:**

**Client : Sapient EAS , Razorfish ,Publicis Groupe**

Duration **: January 2016 –June 2017**

Role : Senior System Administrator

* File System Management and LVM.
* Installation and deployment of Red hat enterprise Linux 5 and 6 based HP Proliant sand VM Environment
* Mail server Administration.
* Linux Kernel and Performance Tuning Issue
* hardening and security compliance of complete Linux Environment servers.
* Performance and package loss issue through nestat,tcpdump,dropwatch.
* Analyzed server performance tuning for optimization.
* Patch and Package Management via rpm/YUM.
* Automated various day to day operation works through shell scripting.
* Applied OS patches and upgrades on a regular basis, and upgrade administrative tools and utilities
* Performed ongoing performance tuning, hardware upgrades, and resource optimization as required

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| **Project 3:** |  |  |
| **Client** | **:** | **FedEx Services** |
| Duration | : | March 2014 – January 2016 |
| Role | : | UNIX and Cloud Administrator |

* Hands-on experience on Amazon EC2, Amazon S3.
* Amazon SimpleDB, Amazon RDS, Amazon elastic cache
* High-Availability, Fault Tolerance, Scalability on AWS
* Managing VMware infrastructure environment with 25 ESX servers, 500+ virtual machines
* Creating and managing resource pools and adding the VM’s into resource pools.
* Creating and managing virtual machines and installing VM Tools into VM’s.
* Manage VM’s using VMware virtual center.
* Snapshots, Cloning, cold migrations and hot migrations.
* Moving VM’s from one LUN to another LUN using Storage VMotion..
* Mail server Administration.
* File system management.
* Mirroring (SVM) in Solaris.
* Apache server Management in Linux

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| **Project 4:** |  |  |
| **Client** | **:** | **GE GIS Midrange Compute Server** |
| Duration | : | October 2013-March 2014 |
| Role | : | Cloud Administrator |
| **Project 5:** |  |  |
| **Client** | **:** | **Houghton Mifflin Harcourt** |
| Duration | : | March 2013-October 2013 |
| Description | : | Houghton Mifflin Harcourt is an educational and trade publisher in the US. |
|  |  | Here I gained Experience of working for a publishing company where the security |
|  |  | of data and high availability of the servers/applications is must and prime |
|  |  | responsibility. |
| Role | : | Cloud Administrator, UNIX Administrator. |

* File System Management.
* Package Management
* Managing disk Group and Volumes and resizing of volumes on VXVM.
* Disk Replacement (SVM) on Oracle Production Server.
* VCS Operations i.e. clearing fault on resources, switch-over of service group on cluster, creating Service group and resources
* Veritas File System Management.
* Failover Veritas Cluster Installation.
* Offline/Online of resources on VCS.
* Hardware RAID.
* LDOM Creation.
* Zone Management.
* Patch Management
* Having Experience on M-series server
* Reverse proxy server Management.
* Mail server Administration.

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| **Project 6:** |  |  |
| Client | : | Bharti Airtel (Company: - Ericsson) |
| Duration | : | March 2011- March 2013 |
| Role | : | UNIX Sun Solaris and Redhat Linux Administrator, Shell Script Developer |

* File System Administration,
* Boot PROM Administration,
* User Administration,
* LDOM Creation,
* Hardware and Software RAID, Process Administration, Service Administration ,
* Package and Patch Administration,
* Backup and Restore, Servers: NFS, Auto FS, NIS, Jumpstart, Solaris Volume manager (SVM), Solaris Zones, LDOM, installed Sun Solaris 10 on 50 servers(Sun Blade),
* Configure and implemented Sun servers v240,v440,v880,v245

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| Client | : | Leveraged Data Center Services (Company: - HCL) |
| Duration | : | March 2010-March 2011 |
| Role | : | UNIX Sun Solaris and Redhat Linux Administrator. |
| Description | : | Working in Shared Delivery Environment by providing Unix/Linux |
|  |  | Administration |

Support to valuable customers including:

* MTaaS
* Hudson
* BMC (vendor of remedy software)
* Saint Gobain
* CBI

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| **Project 7:** |  |  |
| Client | : | Sensata Technologies. (Company: - HCL) |
| Duration | : | August 2009-February 2010 |
| Role | : | UNIX Administrator. |

**Responsibilities**

* File System Management.
* Package Management
* Managing disk Group and Volumes and resizing of volumes on VXVM.
* Disk Replacement (SVM) on Oracle Production Server.
* VCS Operations i.e. clearing fault on resources, switch-over of service group on cluster, creating Service group and resources
* Veritas File System Management.
* Failover Veritas Cluster Installation.
* Offline/Online of resources on VCS.
* Hardware RAID.
* LDOM Creation.
* Zone Management.
* Patch Management
* Having Experience on M-series server
* Reverse proxy server Management.
* Mail server Administration.
* Mirroring (SVM) in Solaris.
* Apache server Management in Linux.
* Printer Configuration.
* Analyzing CPU, Swap utilization.
* ACL Management.
* Server Build using HPSA.
* Managing VM's in VMware ESX.
* HPDP Installation

**CERTIFICATION:**

**Professional global certification:**

* Sun Solaris certified system Administrator, Part-1 (SCSA-1).
* Sun Solaris certified system Administrator, Part-2 (SCSA-2).
* ITIL V3 foundation

**Educational qualification:**

B.Tech in Information Technology From JSS Academy of Technical Education,Noida(UP).

**Personal Details:**

Father’s Name : Haribansh Prasad Mishra

Mother’s name : Gyanti Mishra

Nationality : Indian

Gender : Male

Passport : J0226697

Visa : B1/B2(US)