



SAYOOJ SURENDRAN

Linux Expert | Cloud Engineer.

Ph: +91 9036020308 | Email: Sayooj.surendran1@gmail.com

Senior Linux Administrator with 12+ Total years of experience in managing server infrastructures and data-center operations across multiple platforms (Unix, Linux) and 3 years of experience in Cloud. Effectively plan, install, configure and optimize the IT infrastructure to consistently achieve high availability and performance.

HIGHLIGHTS OF IT SKILLS

LINUX:

- RHEL and Suse Administration.
- Systems Installation, Configuration.
- Filesystem & Storage Management.
- Root cause analysis.
- KVM & Xen virtualization
- Project Planning and Support.
- Security Hardening.
- Shell scripting.
- Data Migration and DR drills.
- RHEL Cluster Administration.

Google Cloud :

- Planning Deploying and managing Virtual Machines.
- Instance Group Creation and Management.
- Deploying and Manging Kubernetes Clusters.
- App Engine version management.
- Cloud Storage management.
- IAM management.
- Knowledge in Cloud Sql,Data Store,Big query,Big table,Pub/Sub.
- Configuring VPN and Firewall.
- Stack Driver Monitor and Logging.
- Billing Account Management.

Azure Cloud:

- Taking VM backup and enabling replication using Azure site recovery.
- Creating and managed Azure VM's, Storage accounts, Databases etc.
- DB migration from On-premise Microsoft SQL to AzureSQL..
- Azure Monitoring to raise alerts for Infra failure.
- Creating NSG, Virtual Networking, Subnets, DHCP and IP addressing
- Configuring and managing Azure Storage Accounts (File, Table, Blob, Queue), Azure Storage explorer and Managed disks
- Experience in Azure CLI.
- Creating and managing VM Scale set, Azure load balancer

- Better understanding about Azure load balancing including Traffic Manager.
- Moderate knowledge about ARM template creation.
- Understanding about Azure Active Directory
- Better Understanding about Azure Kubernetes service .

Container (Docker)

- Better understanding about docker architecture
- Having experience in creating custom Docker Images using Docker file
- Having knowledge on Docker Networking and docker volumes
- Better understanding about Namespaces and C-Groups concept for docker
- Better understanding about Underlay and Overlay network concept
- Better understanding about Docker image layering concept
- Working Knowledge of Docker Containers and Orchestrations.

Orchestration (Swarm/Kubernetes)

- Building/Maintaining Docker container clusters managed by Kubernetes.
- Installed and configured Kubernetes cluster using Kubeadm.
- Deep understanding about Kubernetes Master and nodes architecture.
- Understanding about tight coupling, Loose coupling models.
- Hands on experience in creating PODS, Service, Replicaset and Deployments
- Writing YAML file for POD, Service, Replication Controller and Deployment creation

Configuration Management (Ansible)

- Installation and configuration of Ansible Control server and Linux/Windows Nodes.
- Better understanding about writing YAML Playbooks for deployments
- Better understanding about Ansible Modules.
- Using the ansible commands for adhoc issues troubleshooting
- Hands on experience in Ansible Tower Management and Configuration.
- GIT repo integration and source code management.

PROFESSIONAL EXPERIENCE:

IBM INDIA PVT LTD : Bangalore, January 2015 to Present.

Technical Support Specialist

Providing support to 600+ Suse Linux and RHEL Servers for UK Client. Which includes Security Compliance, Mission Critical Incidents, Changes and automation.

Responsibility :

- Engage on Sev1 Incidents and Provide RCA.
- Providing Technical Solutions for new Projects.
- Performance Analysis and Provide recommendations.
- Check scope of automation and implementation.
- Analyze service improvement plans and discuss with account team for implementation.

Key Contributions:

- Configured Ansible Tower for Infra automation like Event Management, Health check report, Inventory scan etc.
- Configured Git hub for Ansible source code management.
- During storage outage , recovered 100+ servers from crash.
- Assisted P2V migration and solved major issues.

MPHASIS LTD : Bangalore, March 2013 to January 2015

Principal Infrastructure Engineer

Providing Linux support for clients across US. Support for highly available (HA) and disaster recovery (DR) solutions. Also providing solutions for high severity incidents, Change implementation, Root cause analysis and Preventive Measurements.

Responsibility :

- Implementing Changes and Customer requests.
- Performance Analysis and providing Solutions.
- Support on high severity incidents.
- OS trouble shooting and crash recovery.
- Coordinating with vendors for firmware upgrades and Hardware failures.
- Worked on File system management and Migrations.

Key Contributions:

- Successful completion of DR drills by coordinating with Multiple teams in a spanned time window.
- Security Hardening on Large scale of servers across Multiple clients within the target date.
- Storage Data migration on Multiple servers within the change window.
- Successful recovery of Production sever from Hardware and OS crash.
- Provided root cause analysis and preventive measurement for server crashes.

TATA CONSULTANCY SERVICES — Mumbai, September 2010 to March 2013.

IT Analyst

Providing support for Clients across India with strategic planning and project leadership over systems migration, configuration, administration, upgrades and troubleshooting initiatives.

Responsibility:

- *Filesystem and storage management.*
- OS performance analyze and troubleshooting
- *OS updating and up gradation through local and RHN repository.*
- Redhat Cluster administration and implementation.
- Administration of OS applications like Ldap,DHCP,squid,DNS.
- User management and quota,acl implementation.
- Redhat virtual servers installation and management using Xen and Kvm.
- *Iscsi and NAS storage management*
- Filesystem and storage management.
- OS performance analyze and troubleshooting
- OS updating and up gradation through local and RHN repository.
- Redhat Cluster administration and implementation.
- Administration of OS applications like Ldap,DHCP,squid,DNS.
- User management and quota,acl implementation.
- Redhat virtual servers installation and management using Xen and Kvm.
- *Iscsi and NAS storage management*

Key Contributions:

- Successful RHEL Cluster Implementation for SAP CRM Application.
- Successful RHEL OS updating, up gradation, firmware up-gradation of Blades, chassis and storage controllers on different environments
- Successful DR setup done on RHEL and DS5100 Storage .
- Implementation of several infrastructure applications like syslog,DHCP,tftp booting based on DHCP servers on Red hat environment for different clients
- Successful Completion of DR Drills.

HCL INFOSYSTEMS LTD — Mumbai, January 2007 to August 2010.

Customer Engineer.

Providing Site support for Server hardware as well as OS. Attending customer raised cases and fix issues on priority.

Responsibility:

- Attend all kind of server OS/hardware failures.
- All kind of OS supports which includes various flavor of linux.
- Coordinate with hardware vendors and arrange replacement parts.

EDUCATION:

Board of Technical Education— Kerala .

Diploma in Electronic and Instrumentation,2006

Kerala Secondary Board

SSLC,2003**TECHNICAL CERTIFICATIONS:**

- Redhat Certified engineer
- Google Cloud Certified Associate Engineer .
- Certified Kubernetes Administrator .
- Azure Certified Administrator.

Personal Details:

- Date of Birth : 10/5/1988
- Nationality : Indian
- Marital Status : Married
- Languages : English,Malayalam,Hindi
- Hobbies : Listening Song,Reading
- Permanent Address : Rajees PO.Eranholy,Chungam, Thalassery,Kerala-670107

I hereby declare that the above furnished details are true to my knowledge.

Place: Bangalore

Sayooj.Surendran