**Senthilkumaran G**

Mobile: +91 9940563078 Email: senthilsam24@gmail.com

**Objective**

Be a part of a team, working on challenging projects in the field of IT & to capitalize on my strongest ability to adapt, improvise & innovate in every working environment, for every working situation.

**Professional Overview**

* Having 15+ years of experience in IT Infrastructure services
* Current work experience on **OpenShift, Azure, Ansible automation**
* Having work experience on VMware - VCentre 5/6, ESXi, Storage Migrations
* Having work experience on various UNIX platforms (Solaris 8/10, Linux 5/6/7)
* Hands on experience with VCS / VxVM / SVM / LVM Disk management.
* Extensively worked on Server Administration in 24/7 Production environment

**Expertise domains**

|  |  |  |  |
| --- | --- | --- | --- |
| * OpenShift
 | * Kubernetes
 | * Ansible Automation
 | * Linux administration
 |
| * AWS
 | * Docker
 | * Terraform
 | * VMware administration
 |
| * Prometheus

AlertmanagerGrafana | * Jenkins
 | * Solaris administration Containers, Zones
 | * Shell Scripting
 |

**Professional Certifications**

* Red Hat Certified Specialist in OpenShift Administration
* Red Hat Certified Specialist in Ansible Automation
* AWS Certified Solutions Architect – Associate (AWS-CSAA)
* VMware Certified Associate - Data Center Virtualization (VCA-DCV)
* ITIL V3 Certified
* Sun Certified System Administration for Solaris 9 - I
* Sun Certified System Administration for Solaris 9 – II

**Educational Qualifications**

* **B.E in (CSE) Computer Science Engineering** from Mailam Engineering College, Mailam, Affiliated to Madras University.
* Diploma in Electrical and Electronics from Maruthi Polytechnic, Attur, Affiliated to Directorate of Technical Education.

**Work Experience**

|  |  |  |
| --- | --- | --- |
| **Organization** | **Designation** | **Duration** |
| Mphasis, Chennai | Senior Principal Infrastructure Engineer | Aug 2012 – till date |
| Tata consultancy Services, Chennai | IT Analyst | Jan 2011 – Aug 2012 |
| Satyam Computer Services Ltd., Chennai | Engineer – Networking | Feb 2007 – Dec 2010 |
| IBM India Pvt. Ltd., Bangalore | System Operations Senior Specialist | June 2005 – Feb 2007 |

**Achievements and Awards**

* Demanding Excellence Award from MPHASIS an HP Company
* Got an Applause appreciation award from TCS
* Got POB award from Satyam for solving more tickets
* Got SPOT award from Satyam for solving long time pending FTP issue

**Mphasis,** ChennaiAug 2012 – till date

**Projects Profile #3**

Client : Ahold AMS & EMEA

 Role : **OpenShift and Ansible automation**

**Responsibilities**

**OpenShift:**

* Installing and configuring the OpenShift container platform 3.11 and 4.x on On-premises and Azure environment
* Created DR setup for Openshift projects.
* Implemented OpenShift migration 3.11 to 4.4 on test environment
* OpenShift OCP patching 3.11.xxx to 3.11.286
* OS patching for OpenShift servers
* Adding nodes (scale up node) into existing OCP cluster
* Configuring multiple CNS cluster like glusterfs, glusterfs\_registry
* Managing and Provisioning the CNS for application workloads.
* Expanding the Glusterfs storage volume through Heketi CLI.
* Expanding PVC and PV.
* Expanding docker registry volumes based on resource utilization.
* Installing and Configuring Trident Storage class.
* TSM Backups for Trident Storage PVs.
* Monitoring the OpenShift components through Prometheus and Grafana.
* Configuring Prometheus for application monitoring.
* User Administration via htpasswd
* Configured AD integration with OpenShift via ldap.
* Experienced in giving required privileges to OCP users like admin, developer, and deployer.
* Setup resource limit and quota in project, pod and node, container and global level in OCP.
* Troubleshooting Pods, deployment, CNS, Glusterfs, heketi related problems.

**Ansible Automation:**

* Installing and configuring Ansible environment based on requirment
* Managing Ansible config file
* Experienced in running adhoc commands on remote servers.
* Created a Playbook for Linux OS patching, LVM activites
* Created a Playbook for health-check of application URLs

**Projects Profile #2**

Client : Sabre

 Role : **VMware Administration 5.0 / 5.5 / 6.0**

**Responsibilities**

* Experience on Installation, Configuration of VMware VCenter & ESXi 5/6
* Involved in VCenter migration from 5.5 to 6.0
* Building ESXi Hosts with standard configurations
* Use VMware update manager to create or edit baselines and baseline groups
* Patching ESXi host with security and critical patches using update manager.
* Handling HA Cluster, DRS and resource pools as per our Client Infrastructure requirements.
* Analyze, Plan and Adding ESXi hosts in VC inventory for managing through VC.
* HP Blade Server Firmware and HP Enclosure Firmware update and server profile management.
* Creating & Managing vSwitches, Port Groups and VM kernel adaptors for virtual network.
* Hands-on experience on Server Consolidation with physical to virtual (P2V) conversions with VMware Converter Troubleshooting Node issues, scaling up the nodes
* Identify, analyze, and resolve system problems
* Optimize, automate and troubleshoot a Virtual Environment using PowerCLI

**Projects Profile #1**

Client : AOps & Nike

 Role : **VMware / Solaris / Linux Administration**

**Responsibilities**

* Performing upgrade from ESXi 4.1 to ESXi 5.1
* Expertise on creating virtual machines, install operating systems inside VM’s, install tools and configure these VM’s as per client requirement.
* Creating, managing Virtual Machines and troubleshooting VM related issues.
* Deploying virtual machines from Template's, OVF and by Cloning. Installing and upgrading VMware Tools for virtual machines. Creating and deleting of VM Snapshots.
* Creating templates from VM’s and deploying VM’s from templates and allocate resources as per client requirement.
* Creating and managing VMWare clusters and enabling HA and DRS features in a cluster for Disaster Recovery and Resource management.
* Configuring Virtual switches, Port groups and network connections
* Performing Snapshots, cloning, cold migrations and hot migrations
* OS server build and patching on Linux servers and Solaris (Global / Non-Global zone) servers
* Troubleshooting of all automated and user incidents relevant to Linux and Solaris servers

**Tata consultancy Services** Jan 2011 – Aug 2012

**Projects Profile**

Client : **Northern Trust**

 Role : UNIX support Admin

**Responsibilities**

**Sun Solaris (8 & 10) & Linux (5 & 6)**

* Responsible for day-to-day systems administration tasks in Linux, Solaris and VMware and played a role as 'TZCO' (Time Zone Coordinator) and 'ON-CALL' Analyst
* Installing, configuring and managing the Linux & Sun Solaris servers
* Managed firmware upgrades for Linux based HP ProLiant & Dell PowerEdge servers
* Configure SAN storage using volume managers
* Maintaining patches and packages to keep the servers up to date with latest OS versions
* Creating volumes under LVMs, increasing & decreasing LVM size according to the requirement
* Setup Bonding in Linux to make the system high availability of the network interface
* Installed and configured RedHat Enterprise Linux 6 using iDRAC console
* Involved in monitoring and configuring NFS servers and NFS clients on Linux servers
* Monitoring system logs and root's email for important messages such as errors and warnings or hardware failure errors.
* Involved in creating and configuring Zones/Containers, LDOMs and zfs filesystems in Solaris 10 environment
* Creating metadb, soft partitions, and RAID levels using sun Solaris Volume Manager
* Responsible for hardware troubleshooting and open case with vendors for hardware replacements
* Zone configuration and Administration
* Adding / changing memory CAP in zones
* Zone File System creation of direct & LOFS mount
* Worked on ZFS conversion on Global and Local Zones

**Veritas Clusters (VCS) & Veritas Volume Manager (VxVM)**

* Install, configure and troubleshooting problems associated with Veritas Cluster Server
* Administering service groups, resources, systems in clusters
* Managing, backing up and restoring VCS configuration files
* Controlling VCS behaviour at the service group level & resource level
* Bringing a resource/service group online and/or taking a resource/service group offline
* Monitoring and troubleshooting resource/system/network link failure
* Install, configure and troubleshooting problems associated with Veritas Volume Manager
* Placing disks under VxVm control - Initializing the disks, creating volumes, file systems & mounting them
* Performed growing and shrinking of the volumes
* Root disk mirroring using Veritas Volume manager
* Identifying and Replacing the faulty/failed Disk in the Volume manager

**Satyam Computer Services Ltd.,**

**Projects Profile #2**

Client : **FIFA 2010 World Cup**

 Role : UNIX support Admin

**Project Description**

## *FIFA* is The International Federation of Association Football it’s the international governing body of association football. Its headquarters are located in Zürich, Switzerland. FIFA is responsible for the organization and governance of football major international tournaments.

**Responsibilities**

* Installing, configuring and managing the Sun Solaris & Linux
* Installing, Managing and upgrading patches and packages
* Experience on file system and disk management
* Managing user accounts and their updating in Sun Solaris & Linux
* Managing the problems associated with boot process
* Creation of DNS entries for devices and servers.
* Troubleshooting hardware and software failures on Sun Solaris
* Managing NFS in client-server architecture with Auto mount feature
* Managing NIS master/slave servers and clients
* Hardware replacement and troubleshooting

**Projects Profile #1**

Client : Punjab & Sind Bank

 Role : **UNIX support Admin**

**Project Description**

## *Punjab & Sind Bank Ltd* is one of the premier bank of India, have more than 950 branches in various locations. We are providing the Core bank implementation and support. This includes the network connectivity for all the branches from datacenter and disaster recovery center.

**Responsibilities**

* Responsible to meet the derived SLA. Adherence to the ITIL framework.
* Installing & administrating all flavor UNIX OS like Solaris, Linux according to project requirement.
* Hands on experience in Server movement, decommissioning and Data center migration operations.
* Co-ordinate with the other teams and perform configuration of Storage devices like Tape library and Disk Storage
* File System Administration - File system creation, mounting/unmounting the file systems.
* Package Administration - Adding, Removing and checking packages
* Patches Administration - Adding, Removing and Checking current patch status information
* Configuring SSH, SUDO, NFS and ACL according to the project need.
* Handling performance related issues pertaining with CPU, Memory, network etc.,
* Configuring NFS share on Solaris/Linux servers for project requirement.
* Hands on experience with VxVM / SVM / LVM Disk management.
* Increasing/decreasing the file system size. Mirroring the hard disks.
* Creating & Managing the RAID 0, 1, 0+1, 5 Volumes
* Creation of Mirrored Volume, increase/decrease the volumes as per project need.
* Performing quarterly internal server audit, which includes Port scanning, OS hardening.
* Taking File level backup / Restoration of files
* Taking oracle RMAN backup using TDP
* Taking TSM DB backup on weekly bases.

**IBM India Pvt. Ltd., Bangalore**

**Projects Profile**

Client : **UK-Farmwatch, Pfizer**

 Role : L1/L2 UNIX support

**Responsibilities**

* Provided Level 1 and Level 2 Support to the customers production server which is located in IBM Datacenter across the world
* Checking the services related to TEC alerts
* Remote support for the servers using Citrix, Tivoli tools & other remote utilities
* Handling user Account management activities in terms of creation, deletion, modifying, password reset.
* Performing internal server audit, which includes Port scanning, OS hardening.
* Daily Conference Meetings with the customer with appropriate Updates
* Worked on environment like Problem management, Change Management, Incident management & Escalation management, which involves problem determination.
* Reviewing & Approving the Changes in our Queue
* Updating & reviewing the M&P procedures
* Ensure customer satisfaction and delivery of project
* Suggestions to client and duty managers on any proactive measurements
* Meeting the SLA for the Call

**Personal Details**

Name : Senthilkumaran G

Date of Birth : 15-March-1980

Nationality : Indian

Marital Status : Married

Current Location : Chennai

Mobile Number : +91 9940563078

Email ID : senthilsam24@gmail.com