


# Ashish Nair

Thane, Maharashtra, India

 ashish882000@gmail.com

 [linkedin.com/in/ashish-nair-b41673202](https://www.linkedin.com/in/ashish-nair-b41673202)

Phone : +91 9975998427

## Summary

Highly dedicated, enthusiastic, and professional IT Specialist with more than 13 years of experience in designing, installing, and maintaining business system as per user's/business requirements and managing related databases and networks. Capable of writing programs/scripts in Shell, Perl, writing playbooks in Ansible and writing modules in Puppet. Working experience in Devops tools like Jenkins, AWS, Docker, Ansible Automation Platform. Proficient in providing enhancement functions as well as providing technical support to the team and clients. Possess effective time-management, problem-solving, communication, analytical, multi-tasking, leadership, organizational, and documentation skills. Actively looking for jobs in Europe.

## Experience

Mastercard: Lead Systems Architect

January 2024 – present

- Leading the architecture, standardization, and deployment of enterprise-grade Linux infrastructure using **RHEL, Red Hat Satellite** and **Ansible Automation Platform**, ensuring performance, security, and compliance.
- Orchestrating **server migrations**:
  - From **CentOS 7 to RHEL 7** to ensure long-term support and stability.
  - From **RHEL 7 to RHEL 8**, with end-to-end validation of application and OS compatibility.
  - From **RHEL to Oracle Enterprise Linux (OEL)** to optimize licensing and vendor strategy.
- Designed and implemented **Event-Driven Ansible (EDA)** to automate and scale BAU tasks such as:
  - Auto-healing of known infrastructure issues.
  - Automated configuration enforcement and patch management.
  - Real-time event-based remediation triggered from monitoring or ticketing systems.
- Established and enforced **CIS (Center for Internet Security) benchmarks** across all Linux servers using Ansible and Red Hat Satellite, improving system hardening and audit compliance.
- Collaborating with InfoSec, cloud, and application teams to align OS baselines and infrastructure practices with corporate governance policies.
- Providing technical mentorship and building reusable automation templates to accelerate platform consistency and scalability.

Spyce5 : Devops Architect

August 2023 - November 2023

As a Devops architect I was responsible for setting up the cloud infrastructure on AWS. In the short period while I was with this organization I was able to:

1. Containerize the back-end of the application using Docker.
2. Move the Docker image to ECS Fargate on AWS.
3. Setup RDS Aurora serverless and connect the to the ECS containers.
4. Setup Prometheus Stack( With Prometheus, Grafana, AlertManager) on ECS which included the below exporters:
  - Node Exporter to monitor the Ec2 instances.
  - Blackbox Exporter to monitor the API endpoints.
  - Cloud Exporter to monitor other cloud resources.
  - Query Exporter to monitor API requests that were fetched using a sql query.
  - Postgresql Exporter to monitor the RDS instances.
  - Configure OTEL (Open Telemetry) sidecar container to send data to Prometheus.
5. Setting up Bastion Host.
6. All of the resources were deployed using typescript cdk.

## Senior Technical Account Manager

Red Hat :

Jul 2022 - August 2023 (1 year 1 Month)

- Served as a trusted advisor to enterprise customers, driving successful adoption and migration strategies for **Red Hat Enterprise Linux (RHEL)**.
- Led end-to-end lifecycle planning and execution for **migrations to RHEL** from legacy Linux/Unix systems, improving system stability and standardization.
- Enabled customers to scale and standardize their automation practices through **Ansible Automation Platform**, including playbook development, role creation, and enterprise rollout.
- Supported high-availability and disaster recovery designs leveraging **Red Hat Cluster Suite**, ensuring application uptime and service continuity.
- Guided customers in implementing and optimizing **Red Hat Satellite** for lifecycle management, patch compliance, and subscription control.
- Delivered proactive technical health checks, architectural guidance, and strategic roadmaps to ensure alignment with customer goals.

## Senior Cloud Infrastructure Engineer

Cornerstone OnDemand

- Apr 2021 - Jul 2022 (1 year 4 months)
- As a part of the Infra team, I was responsible for taking care of the below activities:
- Automated the patch process using Ansible and Foreman.
- Setting up scripts via Ansible, Puppet, Bash scripting to Automate build process and tasks.
- Have setup Foreman, puppet, r10K.
- Written Playbooks in Ansible to setup Pacemaker cluster with DRDB storage to make servers highly available.
- Setting up new softwares and performing POC and presenting the same.
- Setting up of new servers and applying CIS baseline and hardening using config management tools.
- Performing BAU activities.
- Creation of Golden Images.
- Written Puppet Modules to automate entire configuration management.

- Setup AWS instances using puppet and terraform. (POC accounts)
- Containerized in-house applications using Docker.
- Integrated Jenkins with terraform to automate the AWS provisioning process

## **Lead Consultant(Linux):**

Atos India Private Limited:

Dec 2014 - Sep 2020 (5 years 10 months)

### **Projects Supported: Tefefonica (O2)**

- Had been onsite to Germany at the customer's site to offshore the project to India.
- Implemented Redhat IPA (centralized authentication solution from Redhat)
- Managing Red Hat Satellite for configuration , Patching and Provisioning new servers.
- Implemented Docker to host some applications for the developers and linking those application with the database images.
- Installing new servers as a part of newer environments and preparing the system for migration, so that the transition team can migrate without any issues.
- Integrating servers with tools like Nagios, IPA , Bladelogic , RedHat Satellite .
- Managing HP enclosure C7000 via HP oneview and also responsible for firmware patches.
- Managing Dell servers via DRAC
- Managing Vmware environment from vcenter .
- Automating tasks – currently automated some tasks using bash scripting , and where ever there is need to parse/read from an Excel/CSV have made use of Perl .
- Was involved in live migrations from the host side . (Scanning of new Luns, Moving data from older LUNs to newer ones online )
- Implemented HP service guard cluster on Linux machines .
- Writing playbooks in Ansible to automate tasks. Written entire post install tasks in Ansible which include installation and configuration of standard OS tools, custom tools, security hardening.
- Setup and Administration of Redhat satellite.
- Preparing patch bundles using Red hat Satellite.
- Writing and integrating puppet code for applications like Tomat, Apache and Databases like MongoDB with RedHat Satellite.
- Setting up and provisioning machines using Redhat satellite that make use of integrated puppet code.

•

## **Lead Consultant(Linux):**

Atos India Private Limited:

Dec 2014 - Sep 2020 (5 years 10 months)

### **Projects Supported: Tefefonica (O2)**

- Had been onsite to Germany at the customer's site to offshore the project to India.
- Implemented Redhat IPA (centralized authentication solution from Redhat)
- Managing Red Hat Satellite for configuration , Patching and Provisioning new servers.
- Implemented Docker to host some applications for the developers and linking those application with the database images.
- Installing new servers as a part of newer environments and preparing the system for migration, so that the transition team can migrate without any issues.
- Integrating servers with tools like Nagios, IPA , Bladelogic , RedHat Satellite .
- Managing HP enclosure C7000 via HP oneview and also responsible for firmware patches.
- Managing Dell servers via DRAC
- Managing Vmware environment from vcenter .

- Automating tasks – currently automated some tasks using bash scripting , and where ever there is need to parse/read from an Excel/CSV have made use of Perl .
- Was involved in live migrations from the host side . (Scanning of new Luns, Moving data from older LUNs to newer ones online )
- Implemented HP service guard cluster on Linux machines .
- Writing playbooks in Ansible to automate tasks. Written entire post install tasks in Ansible which include installation and configuration of standard OS tools, custom tools, security hardening.
- Setup and Administration of Redhat satellite.
- Preparing patch bundles using Red hat Satellite.
- Writing and integrating puppet code for applications like Tomat, Apache and Databases like MongoDB with RedHat Satellite.
- Setting up and provisioning machines using Redhat satellite that make use of integrated puppet code.

- Upgrading machines from RHEL6 to RHEL7.
- Preparing patch bundles on Redhat satellite and other tools for OS patching.

### **Projects Supported: McGraw Hill Education and McGraw Hill Finance**

- Administering and troubleshooting RHEL 4,5,6 servers.
- Patching RHEL servers so as to keep the servers up-to-date.
- Write shell scripts on a regular basis to automate tasks.
- Writing custom Nagios scripts and co-ordinate with the monitoring team to have them implemented.
- Writing init scripts for custom applications.
- Working on assigned projects and also to complete them within the time frame.
- Work on changes raised by the customers.
- Working on Storage migration activities (online migration)
- Troubleshooting LVM , RAID issues (software RAID and Hardware RAID)
- Troubleshooting network related issues such as NFS , packet drops , port related issues, using network utilities such as tcpdump, traceroute, netstat.
- Working on storage related issues , troubleshooting issues related to EMC powerpath.
- Server hardening.
- Working on performance issues and help improving, tuning the system performance.
- Working on backup related issues (client side)
- Attending P1,P2 bridge calls and driving issues till resolution.
- Providing RCA , attending RCA calls .
- Configuration management using puppet – writing manifests ,modules , knowledge on hiera.
- Re-engineering systems , performance tuning .
- Troubleshooting Issues on various other projects depending upon requirements
- Also Involved in shell scripting at tower level
- Provided internal KT(Training) on Shell scripting and RHEL5
- Attending meeting with clients to understand their requirement on various projects and delivering as per their requirement.
- Providing inputs to build and Engineering teams



### **Technical Support Engineer**

(Aug 2012 - Oct 2014)

- Providing support to internal servers within Symantec.
- Administering and troubleshooting RHEL4,5,6 servers and Suse Linux servers.
- Installing ,Configuring and troubleshooting Linux servers.
- Working on issues related to SAN , RAID management softwares (megaraid)
- Installing and configuring Linux Server.
- Logical Volume Manager (LVM) creating partitions and formatting ext3, ext4
- User administration & SUDO users configuration.
- ACL using Granting file access Permissions.
- Partition of Disk, Creating new file system, mounting them & changing to fstab.
- Performing System Backup & Restore Using tar, bzip2, gzip commands.
- Installing patches file set through RPM & YUM
- Repository configuring & Management in Linux.
- Configure FTP Server in Linux Environment.
- Configuring, managing NFS Servers in Linux.
- Configured NFS server and mounted the file systems at clients through Auto mount.
- Configuring and working on SAMBA server and client.
- Scheduling automatic Jobs through Crontab

## **Redhat Software Services**

- Sept 2011 - June 2012
- Responsible for handling incoming customer-facing queries via ticketing system and over the phone, primarily working on Base OS, Storage , Filesystems

## **Rhythm and Hues India Private Ltd**

Dec 2010 - Sept 2011

- 
- As I part of the systems team I am responsible for support all the users in the studio who are
- using linux OS on Open SuSe 10 and 11.
- Responsible for implementation of servers , from project phase to deployment phase and then
- providing support to those servers.
- Handling issues related to sendmail mailservers,BIND DNS, Squid proxy ,DHCP servers ,
- and have also implemented these servers as a part of server migration project.
- Troubleshooting PXE boot issues.
- Troubleshooting automated installation issues.
- Troubleshooting boot-up issues such as system going into maintenance mode,Booting the
- system into NFS mode and troubleshooting,initrd related issues,compiling the linux kernel
- in case the kernel does not support a specific module.
- Implemented hardware Raid 10,Raid 1 , Raid 0 on Supermicro Blade servers, Familiar with
- Raid tools such as tw\_cli (3ware),and Megacli(Megaraid).
- Implemented software Raid.
- Adding scripts to startup.
- Supporting Client side applications such as Thunderbird(mail client).
- Creating LUNs with different Raid Types, Deleting LUN's, Managing Storage Groups,
- creating storage groups, assigning LUN's to Servers, Brocade Zoning,Host side HBA
- configuration.
- Actively participated in Server Room Re-organisation.
- Migrated all servers to supermicro blades which included in-house applications which also
- included applications like squid, sendmail.



## **IPsoft India Pvt Ltd**

June 2010 - Dec 2010

- Working on incidents raised by client , incidents related to systems such as file permissions to
- be fixed, housekeeping to be performed on any file system ,etc.
- Performing problem management on recurring incidents.
- Ensuring a high uptime of all LINUX and UNIX systems.
- Performing basic troubleshooting on veritas Netbackup.
- Performing L1 and L2 support for all UNIX and LINUX servers.
- Escalating major issues to the client.



**Atos Origin India Pvt LTD**

March 2008 - May 2010

- Working on incidents raised by client , incidents related to systems such as file permissions to be fixed, housekeeping to be performed on any file system ,etc.
- Performing problem management on recurring incidents.
- Ensuring a high uptime of all LINUX systems.
- Write Shell Scripts based on client requirement, scripts which capture vital system information, process information , Disk utilization, Memory utilization , which is then used for capacity planning,identify bottlenecks.
- Perform capacity planning based on captured system information,which will help improve the system performance.
- Perform Ad-Hoc Disaster Recovery , ensuring integrity of data (on SAN filesystems),checking if data on both production and DR servers are synchronized (using HTC).Also ensuring application is pointing to the correct SAN
- Use of HDLM(SAN software used for multi-pathing ) with LVM to create new file systems,extend existing or recreate File Systems if performance is affected by the use of shared disks.
- Adding scripts in start-up files so that particular process is auto-started at system boot.
- Supervised Disaster Recovery Drills of Core Banking Applications.
- Analyzing system Logs .
- Performing System and Application level changes adhering to the ITIL process.
- Escalating issues to Vendor, following up for the same





## **Education:**



**University of Mumbai**

Bachelor of Science - BS, Information Technology  
Jun 2004 - Jul 2007

## **Licenses & Certifications:**

-  **Red Hat Certified Specialist in Managing Automation with Ansible Automation Platform**
-  **Red Hat Certified Specialist in Containers and Kubernetes**
-  **Red Hat Certified Specialist in Deployment and Systems Management**
-  **Red Hat Certified Specialist in Developing Automation with Ansible Automation Platform**