

# Mahesh Saga

Linux Administrator

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## Summary

Red Hat Certified Engineer with expertise in Linux system administration, IT infrastructure operations and troubleshooting. Strong hands-on experience in managing large Linux environments, data center operations and server migrations. Experienced in build, deployment and basic automation to improve system stability and efficiency.

Worked extensively on Linux server installation, configuration, patching, upgrades and in-place RHEL migrations, including PCS clusters. Skilled in incident management, ticket resolution, change management and providing 24x7 production support in multi-tier environments.

Good working knowledge of ITIL processes and experienced in coordinating with teams and clients to resolve infrastructure and system issues while maintaining service quality. Hands-on experience with both RPM and Debian-based Linux systems and basic vulnerability assessment.

Also experienced in AWS Cloud administration, managing services such as EC2, S3, VPC, ELB, IAM, CloudWatch and RDS. Comfortable working in shared support models and enterprise production environments.

## Experience

Tata Consultancy Services(TCS)  
Assistant Consultant

Hyderabad, IN  
Oct 2021 - Present

- Provided day-to-day operations support for Linux servers in both physical and virtual environments.
- Performed server migrations across different data centers, including P2V, V2V and lift-and-shift migrations.
- Wrote Shell scripts to automate routine BAU tasks and reduce issue resolution time.
- Worked closely with application and database teams to gather requirements and plan changes for both non-production and production environments.
- Installed and configured new Linux servers based on client requirements and performed regular monthly patching and upgrades.
- Carried out vulnerability assessments and applied remediation actions on virtual machines to improve system security.
- Reviewed incident trends and supported critical priority issues while meeting SLA commitments.
- Managed daily operational activities, proactively resolved issues, and identified long-term fixes to prevent recurring problems.
- Evaluated solution options with risks and benefits, coordinated with stakeholders, and supported change, configuration and release activities.
- Streamlined release processes, configured software and hardware RAID, and worked with data center teams to replace faulty hardware components.

<https://www.tcs.com>

Teamware Solutions  
Sr. Linux Administrator

Hyderabad, IN  
Feb 2021 - Oct 2021

- Installed and managed Linux servers on AWS EC2, including user access, packages, services and system security.
- Built and deployed a web application on Apache Tomcat, handled application updates and supported Test and Production environments.
- Managed AWS resources such as EC2, EBS, S3 and security groups to ensure stable and secure server operations.
- Monitored system and application health, reviewed logs, performed backups and resolved server and application issues.
- Automated routine system tasks using Shell scripts and cron jobs, and documented deployment and support procedures.

<https://www.teamwareolutions.net>

Margadarsi (Ramoji Group)  
System Administrator

Hyderabad, IN  
Aug 2010 - Feb 2021

- Installed, upgraded and configured Linux servers (Red Hat Enterprise Linux 4–8 and Ubuntu) on physical and virtual environments using manual and kickstart methods.
- Administered production Linux systems including web, application, database, mail, proxy and FTP servers.
- Managed users, groups, sudo access, file permissions and ownership to ensure system security and compliance.
- Monitored system health (CPU, memory, disk, processes and services) and resolved OS, boot and performance issues, including single-user mode recovery.
- Configured, maintained and troubleshoot web and application servers such as Apache, Nginx and Apache Tomcat (5.5 to 8.x).
- Managed backup and restore operations using tar, rsync and scp, and ensured data availability and integrity.
- Wrote and maintained Shell and Bash scripts to automate routine administration tasks and scheduled jobs using cron.
- Administered network-related services including firewall rules, proxy servers (Squid), DNS records and basic network troubleshooting.
- Performed system hardening, applied security patches, kernel updates and version upgrades during maintenance windows.
- Monitored logs and system alerts using monitoring tools, documented issues, and coordinated with application and support teams to resolve incidents.

<https://www.margadarsi.com>

IEG (Institute for Electronic Governance)  
System Support Engineer

Hyderabad, IN  
May 2008 - Aug 2010

- Installing and managing NEC thin clients using VM Ware ESX Server 1.0.
- Providing Server, Desktop, Network and Application Support.
- Installing and managing thin clients using N-Computing devices.
- Installing and maintaining All the PC's to the latest Security Updates and Antivirus updates.
- Monitoring LAN/WAN Activities of wired/wireless networks.
- Installing, configuring and Managing Modems & switches.
- Troubleshooting the network problems.
- Installing and Configuring Desktop and Network printers.

Education

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Bachelor of Science (Computers)  
Andhra University

Certifications

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AWS Certified Solutions Architect - Associate  
Validation Number: G1B6QJCK9JE4Q1WY

Red Hat Certified Engineer  
Certificate Number: 110-030-319

Skills

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Linux System Administration  
Strong experience in installing, configuring, patching and maintaining Linux servers (RHEL and Ubuntu) in physical and virtual environments, including user management, permissions, services and OS troubleshooting.  
Linux Administration, RHEL, Ubuntu, Server Installation, OS Patching, User & Group Management, File Permissions, LVM, System Services, Boot Troubleshooting  
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Server Operations & Data Center Management  
Strong experience in day-to-day server operations, data center support and migrations, ensuring high availability and stability in 24x7 production environments.  
Data Center Operations, Physical Servers, Virtual Servers, P2V, V2V, Lift and Shift, Hardware Troubleshooting, Production Support, Multi-tier Environment  
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Shell Scripting & Task Automation  
Experienced in writing Shell and Bash scripts to automate routine administrative tasks, reduce manual effort and improve operational efficiency.  
Shell Scripting, Bash, Automation, Cron Jobs, BAU Tasks, Process Optimization, Linux Scripts  
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AWS Cloud Administration  
Hands-on experience managing Linux workloads on AWS, including server provisioning, security and monitoring using core AWS services.  
AWS, EC2, S3, VPC, IAM, ELB, CloudWatch, Systems Manager (SSM), Security Groups, RDS  
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Incident, Change & Vulnerability Management  
Proven ability in managing incidents, changes and vulnerability remediation while meeting SLA requirements and following ITIL best practices.  
Incident Management, Change Management, Problem Management, SLA, ITIL, Vulnerability Management, Patch Management, Root Cause Analysis (RCA)  
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Languages

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Telugu  
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English  
● ● ● ● ●

Hindi  
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