

# SAIKUMAR BEERA

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## Summary

System Administrator with over 3 years of experience in managing and maintaining complex IT infrastructures. Proficient in Windows and Linux environments, Office 365 administration, and network troubleshooting. Adept at implementing security protocols, enhancing system performance, and ensuring minimal downtime. Committed to leveraging innovative technologies to streamline processes and boost productivity.

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## Experience

**Linux System Administrator** | Experience flow Software Technology - Hyderabad | 08/2022 - Current

- Windows Server (2008, 2012, 2016), Red Hat Enterprise Linux (RHEL), CentOS, Ubuntu, ensuring smooth installation, configuration, and troubleshooting.
- Configured and managed Active Directory, including domain controllers and group policies.
- Administered Office 365 services, including Exchange Online, SharePoint Online, and OneDrive for Business to boost workplace efficiency.
- Configured and managed SharePoint Online, including creating and managing sites, setting up storage limits, and restoring deleted sites.
- Managed AWS cloud infrastructure, provisioning EC2 instances, configuring S3 storage, setting up IAM roles, and monitoring system performance with CloudWatch and AWS Lambda.
- Configured and managed SQL Server instances, ensuring proper installation, backup strategies, performance tuning, and security management to maintain database integrity.
- Monitored system health and performance, promptly addressing any issues to minimise downtime
- Configuring network interfaces and setup IP address and troubleshooting network issues
- Setting up and configuring system services and network settings
- Secured network services through IP configuration, firewalls (iptables, firewall), and enforcing password policies.
- Managing partitions, file systems, and disk storage
- Created and managed LVM partitions, ensuring efficient disk storage allocation and data integrity.
- Creating and managing user accounts and groups and file permissions and user and group ACL permissions
- Setting permissions and access controls for files and directories
- Configuring authentication methods and enforcing password policies
- Using package managers (APT for Debian-based systems, YUM/DNF for Red Hat-based systems) to install, update, and remove software packages
- Managing software repositories and dependencies
- Monitoring system performance using tools like top, htop, vmstat, and iostat
- Analysing system logs and metrics to identify and resolve performance issues
- System Updates and Patch Management and security patches to keep the system up to date
- Booting and grub issue troubleshooting and booting recovery
- Linux Desktop environment setup and Desktop user login loop troubleshooting
- Managed file and print services with NTFS permissions, ensuring secure and reliable access for end-users.
- Configured and administered NFS and Samba for seamless file sharing across networks.
- Managed system cybersecurity, implementing firewall, anti-virus software, and VPN for fewer cyber attacks.
- Monitored system performance using tools such as Performance Monitor and Event Viewer, identifying and resolving issues proactively.
- Implemented Group Policy Objects GPOs for centralised management of user settings, reducing administrative overhead.
- Managed Active Directory services, overseeing user accounts, groups, and permissions to enhance system security.
- Updated hardware and software requirements to navigate system-wide changes, preventing backlogs and inefficiencies.
- Installed, updated, and supported software applications, providing technical assistance to end-users as required.

- Analysed log files, systems and network traffic to identify improvement opportunities.
- Operated server management tools for patching, monitoring and backup activity.
- Demonstrated expertise in AV and internet security, maintaining safe, secure data and systems.
- Analysed system logs and network activity to detect and mitigate potential threats or irregularities.

#### **System Administrator** | GLOBAL EXPAT TAX CONSULTING LLP - Hyderabad | 10/2021 - 08/2022

- Completed reports detailing network and systems performance and downtime issues
- Administration of LAN&WAN technologies and in- knowledge OF Network Operating Systems and Protocols in Maintenance and Support
- Handling technical issues (Hardware Issues) of network work-group computers
- Established Network Specifications and Analyzed Workflow, Access, Information, And Security Requirements
- Configuration and troubleshooting - LAN and TCP/IP issues
- Network related Issue on Windows and servers and with vendors for hardware related issues
- Assets management and hardware installation and hardware troubleshooting
- Configured and maintained Group Policies to manage security, software distribution, and network settings across the organization
- Installed and maintained IT equipment and software to meet workflow requirements.
- Installed and configured various software and hardware for smooth-running systems operation.
- Managed file and print services with NTFS permissions, ensuring secure and reliable access for end-users.
- Analyzed network traffic and system logs to identify and resolve potential threats.
- Deployed and managed virtual machines using VMware and Hyper-V

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### **Skills**

- **Operating Systems:** Windows Server (2008, 2012, 2016), Red Hat Enterprise Linux (RHEL), CentOS, Ubuntu
- **Networking:** TCP/IP, LAN/WAN, Firewalls (iptables, firewallD), NFS, Samba
- **Tools & Platforms:** VMware, Hyper-V, Nagios, Prometheus, Grafana
- **Administration:** Office 365, Active Directory, SharePoint, Group Policy, SQL Server administration
- **Automation&Backup :** Ansible, Rsync, Robocopy
- **Monitoring & Analysis:** Htop, vmstat, iostat, system logs, Windows Event Viewer
- **SQL Server Administration:** Installation, configuration, database backup
- **Cloud Services:** AWS EC2, S3, VPC, IAM, CloudWatch, AWS Lambda
- **Linux Administration:** System configuration, user/group management, LVM, disk management, performance tuning

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### **Education**

Telangana University

**B.com:** Computer Application

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### **Projects**

- Set up a monitoring system for Linux servers using Nagios, Prometheus, and AWS CloudWatch. Monitored CPU, memory, disk space, database performance (MySQL, PostgreSQL), web servers (Apache, Nginx), and Docker containers. Configured alerts and dashboards to track performance and ensure smooth operations. Reduced downtime by 20% by identifying and resolving issues proactively.
- Windows Server Deployment: Implemented a Windows Server 2016 setup, including Active Directory for managing users and groups. Configured Group Policy Objects (GPOs) to improve security and manage settings. Set up file and print services with secure NTFS permissions to support organizational needs.