

SYED ASIF

Linux Engineer | Cloud & DevOps Infrastructure | Site Reliability

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PROFESSIONAL SUMMARY

Linux Engineer with hands-on production experience administering enterprise infrastructure for national and commercial clients, including ISRO and ISTRAC. Skilled in VPN and network infrastructure (IPsec, GRE, OpenVPN), production monitoring and alerting, backup and disaster recovery, and secure collaboration platforms. RHCSA and Google Cybersecurity certified, with growing expertise in Google Cloud Platform and containerized infrastructure. Proven track record resolving critical production incidents — including database replication failures and server migrations — with zero data loss.

TECHNICAL SKILLS

Cloud: Google Cloud Platform, Compute Engine, Cloud Storage, Cloud Run, IAM, GKE, AWS, DigitalOcean

Linux Administration: RHEL, Rocky Linux, Ubuntu, Debian, Oracle Linux, SUSE Multi-Linux Manager

Containers & Orchestration: Docker, Podman, Kubernetes

Programming & Scripting: Python, Go, Bash

Automation & CI/CD: GitHub Actions, GitLab CI/CD, Shell Scripting

Networking & Security: IPsec, GRE, OpenVPN, Routing, NAT, Firewall (iptables), SSL/TLS Certificate Management

Monitoring & Observability: Prometheus, Grafana, Loki, ELK Stack, Nagios, Uptime Kuma

Databases: MariaDB, PostgreSQL

Version Control: Git, GitHub

Infrastructure & Collaboration: Nextcloud, OnlyOffice, BackupPC, Apache, Nginx

PROFESSIONAL EXPERIENCE

Linux Engineer — FCOOS Technologies Pvt. Ltd. March 2025 – Present

Manage production Linux infrastructure for seven enterprise environments — ISRO, ISTRAC, Parlacon, Bitorder Technologies, BigDataLogin, Rancelab, and FCOOS Internal — spanning VPN connectivity, monitoring, backup, and secure collaboration systems.

- Diagnosed and resolved a production MariaDB master-slave replication failure for a client environment, restoring data replication with zero data loss.
- Migrated a production server from legacy infrastructure to a new host, coordinating the cutover and verifying service health post-migration.
- Reconfigured static routing and network interfaces across Rocky Linux, Debian, and Oracle Linux repository servers following a data-center migration, and updated synchronization scripts to restore uninterrupted package delivery under new IP addressing.
- Deployed and maintain IPsec, GRE, and OpenVPN tunnels for enterprise customer connectivity, proactively monitoring tunnel health and traffic flow to sustain uninterrupted service.
- Deployed BackupPC to automate backups of IPsec, web, OpenVPN, and jump servers, strengthening disaster recovery coverage across production infrastructure.
- Deployed and integrated Nextcloud with OnlyOffice Document Server across enterprise and internal environments, enabling secure file collaboration and real-time document editing for end users.
- Built Grafana dashboards with automated alerting for internal infrastructure, and maintained Nagios monitoring across production servers to improve proactive incident detection.
- Hardened SSH access on internet-facing infrastructure using iptables-based access controls, mitigating brute-force attacks against a production TURN server.
- Migrated production infrastructure for client Rancelab from AWS to DigitalOcean, including the web application, database, and Mantis Bug Tracker servers, and configured phpMyAdmin for ongoing database administration.

- Deployed a honeypot to detect and mitigate automated bot attacks against production infrastructure for client Rancelab.
- Performed SSL/TLS certificate renewals across production web and application servers for multiple clients, maintaining continuous service availability.
- Deployed an OpenVPN server on Ubuntu 24.04 for an enterprise client and built an automated user-provisioning script for client certificate generation and packaging.
- Sustained weekly operational health checks and user support for ISRO's Sarvnabh and Navnabh applications, maintaining consistent system availability.

MAJOR PROJECTS

Production Backup Infrastructure (BackupPC)

Automated backup coverage for IPsec, web, database, and jump servers across a production environment, reducing manual backup overhead and improving recovery readiness.

Production VPN Infrastructure (IPsec/GRE/OpenVPN)

Deployed and maintained secure tunnel infrastructure for enterprise customer connectivity, including traffic validation for newly provisioned tunnels.

Nextcloud & OnlyOffice Deployment

Rolled out self-hosted file collaboration and document-editing infrastructure across multiple enterprise environments.

Production Monitoring with Nagios & Grafana

Implemented and maintained monitoring and alerting across web, database, VPN, and application servers to support proactive incident response.

Enterprise Linux Repository Infrastructure (ISRO)

Reconfigured and maintained internal package repository infrastructure across multiple Linux distributions following a data-center migration.

CERTIFICATIONS

- Google Cloud Certified — Associate Cloud Engineer
- Red Hat Certified System Administrator (RHCSA)
- Google Cybersecurity Professional Certificate
- Cisco Networking Essentials
- Cisco Cybersecurity Essentials

ACHIEVEMENTS

- Hold three professional certifications spanning cloud infrastructure (Google Cloud), Linux systems administration (RHCSA), and cybersecurity (Google Cybersecurity Professional Certificate).
- Independently manage VPN, monitoring, backup, and collaboration infrastructure across seven production client environments, including national space-sector systems for ISRO and ISTRAC.
- Resolved a critical production database replication failure with zero data loss, restoring service continuity for a live client environment.

EDUCATION

Bachelor of Engineering, Electronics and Communication Engineering