Jyotiswaroop Tripathi

Linux & Server Administrator with strong expertise in system configuration, networking, and server security. Experienced in managing and optimizing server infrastructures, containerized environments, and automation workflows. Proficient in Python and Bash for scripting, automation, and tool development. Skilled in using Git for version control and Podman for container management. Adept at system hardening, performance tuning, and ensuring reliable infrastructure operations. Passionate about contributing to the open-source ecosystem and building efficient server solutions.

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GitHub - https://github.com/jyotiswaroop20
Portfolio - https://jyotiswaroop20.github.io/shandilya-portfolio-website/

Career Objective –

Seeking an entry-level position as a **Linux System Administrator**, with a strong focus on system-level software engineering. Skilled in Linux administration, server management, containerization (Podman), and scripting/automation using Python and Bash. Proficient with Git for version control and experienced in system hardening and performance optimization. Eager to contribute to the development of efficient and reliable IT infrastructures while enhancing my expertise in system-level software solutions.

Key Skills –

- Problem-Solving **|** Communication **|** Teamwork **|** Adaptability
- Quick Learner with Strong Practical Approach

Technical Skills –

Operating Systems:

- ➢ **Linux Server OS:** CentOS 8/9, RHEL 8/9, AlmaLinux 9.5, Rocky Linux 9.5.
- ➢ **Linux Client OS:** Linux Mint (21.3 Virginia – Mate, 22.1 Xia – Cinnamon)
- ➢ **Windows Client OS:** XP / 7 / 8 / 10 / 11
- ➢ **Linux System Administration Expertise:**
  - **Core Linux Administration**: User/Group management, File permissions & ACLs, Cron jobs, Process/Service handling, Logging, Auditing, SELinux, Patching, Backup scheduling, GRUB2, Systemd, Shell scripting.
  - **Storage Management**: LVM, RAID, Stratis, VDO, Disk partitioning & formatting (ext4, XFS), Mounting, Swap, Quotas, LUKS encryption.
  - **Networking & Services**: Apache web hosting, FTP/SSH, Samba/NFS, DHCP/DNS, MySQL, Postfix, NTP, Firewall management.
  - **Containerization & Version Control**: Docker, Podman, Git/GitHub.

Programming & Scripting

- ➢ Bash Scripting
- ➢ Python Programming (Automation & Tool Development).

Virtualization & Tools:

- ➢ VMware, VirtualBox, MobaXterm, PuTTY, VSCode, MS Office.

Professional Experience:

Estate Manager (Administration with IT Support Exposure)
Metropolitan School | March 2015 – Present **|** Gorakhpur (UP)

➢ Managed overall estate operations including facility maintenance, vendor coordination, and administrative documentation.
➢ Provided basic IT support including computer lab maintenance, printer setups, LAN/Wi-Fi troubleshooting, and system checks.
➢ Performed routine tasks on a Linux-based local server (CentOS) such as taking backups, installing updates, and managing user accounts.
➢ Troubleshot basic hardware and networking issues in coordination with external IT support vendors.
➢ Developed a growing interest in Linux and IT systems during the role; started self-learning through YouTube, virtual labs, and real-world practice with the goal of pursuing a professional career in **Linux/IT Infrastructure**.

Education:

Secondary School Certificate (SSC in Science)
Govt. Jubilee Inter College, Gorakhpur **|** 2002 – 2003 **|** 59.67% **|** Regular Mode **|** Hindi Medium
Higher Secondary Certificate (HSC in Science)
Govt. Jubilee Inter College, Gorakhpur **|** 2004 – 2005 **|** 61.6% **|** Regular Mode **|** Hindi Medium
Bachelor of Science (BSc in Information Technology)
Kuvempu University, Karnataka **|** 2005 – 2008 **|** Grade-A (75% or above) **|** Distance Mode **|** English Medium
GNIIT (Software Engineering)
NIIT, New Delhi **|** 2009 – 2012 **|** Grade -A (80% or above) **|** Regular Mode **|** English Medium

Projects & Lab Work:

➢ Configured and deployed Linux services (Apache, Nginx, FTP, SSH, Samba, NFS, DNS, DHCP)
➢ Performed complete LVM, RAID, Stratis, and VDO setup with disk partitioning, mounting, quota, and encryption.
➢ Automated tasks using **Bash and Python.**
➢ Hosted a static website on GitHub.
➢ Automated user management, scheduled backups, and service tasks using Bash scripting/Crontab.
➢ Deployed Podman containers for application hosting.
➢ Built CI/CD pipelines with **GitHub Actions**.
➢ Managed server-level troubleshooting, package installation, and system updates via YUM/DNF
➢ Developed multiple system-level programs in Python to enhance understanding of operating system internals, automation, and infrastructure management, and published them on GitHub for open-source contribution

Languages:

➢ Hindi (Native) **|** English (Professional)

Personal Details:

➢ **Father's Name –** Late Mr. Onkar Tripathi
➢ **Mother's Name –** Mrs. Nisha Tripathi
➢ **Date of Birth –** July 05, 1988
➢ **Marital Status –** Married
➢ **Gender –** Male
➢ **Address –** House No – EWS-E/6 Rapti Nagar Phase – 4, Gorakhpur (UP), India

Declaration

I hereby declare that all information furnished above is accurate to the best of my knowledge.

Date:

Place: **Jyotiswaroop Tripathi**