

Henry Chi

LINUX SYSTEM ADMINISTRATOR



SUMMARY

Junior Linux System Administrator with 2+ years of hands-on experience managing and deploying servers in both cloud and self-hosted environments. Proficient in containerization, automation, cloud infrastructure, networking, and administration of Unix/Linux-based systems. Capable of simplifying complex technical concepts for non-technical audiences. Eager to apply my technical skills to a dynamic IT team while continuing to grow professionally.

EXPERIENCE

HenryVale Server Cluster - Linux System Administrator

May 2022 – Present

Managed Servers: Deployed and maintained a cluster of Debian (stable/testing) and Alma Linux servers, hosted across both local hardware and cloud platforms.

Service Management: Configured and administered publicly accessible services under the unazoomer.com domain, including email (Postfix + Dovecot + OpenDKIM), cloud storage and WebDAV (Nextcloud), personal blog (NextJS), Matrix chat server, and more, reverse-proxied via Nginx and Traefik.

Containerization & Orchestration: Utilized Podman Quadlet and Kubernetes for containerization and orchestration, ensuring service portability, high availability, scalability and consistency across multiple servers. Applied Infrastructure as Code (IaC) principles to manage and automate server deployments.

System Monitoring & Scheduling: Developed robust monitoring, recovery, backup, and service scheduling procedures. Employed scripting, Grafana, Prometheus, and Systemd timers to enhance infrastructure observability and streamline server cluster management.

User Authentication & Configuration Management: Implemented OpenLDAP with PAM modules for centralized user authentication across multiple Unix/Linux services, as well as configuration management for embedded devices.

Open Source Contributions

April 2021 – Present

Dotfiles for Desktop Environment: Published and maintained a comprehensive Arch Linux dotfiles repository, featuring custom configurations and scripts for desktop environment management.

NextJS Blog website: Contributed to the open-source community by developing and maintaining a personal blog using NextJS, showcasing technical tutorials and project updates.

Community Participation: Actively contributed to open-source projects by participating in technical forums and mailing lists.

CONTACT

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LANGUAGES

Chinese

English

SKILLS

Operating Systems: Debian, Arch, and RHEL-based Linux environments

Programming Languages: Shell Scripting, C, Go, Node.js

Containerization: Docker, Podman, Kubernetes

Virtualization: KVM, Libvirt, QEMU, Proxmox

Email Systems: Postfix, Dovecot, Cyrus IMAP, DKIM, DMARC

Basic Web Development: Nginx, Traefik, Next.js, React.js

DBMS: PostgreSQL, MariaDB

Others: Git, LVM, OpenLDAP, SELinux, Systemd, Grafana, iptables, nftables, Wireguard, OpenSSH

HOBBIES

Self-hosting

Fitness & Workouts

Cryptocurrency

EDUCATION

Bachelor of Computer Science and Technology

Kunming University of Science and Technology – Expected Graduation: 2025

CERTIFICATIONS

CET-6 (590)