

Mirza Hasnain Baig

Linux Systems Administrator | Hosting & Infrastructure Engineer

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PROFESSIONAL SUMMARY

Self-taught Linux systems administrator and hosting infrastructure engineer with hands-on, production experience building and operating two live hosting businesses from the ground up on a self-funded, zero-cost homelab environment. Designs and runs virtualized infrastructure (Proxmox VE, LXC, Docker) with reverse proxying, DNS, SSL/TLS, monitoring, backups, and Cloudflare-based edge access, delivering 98%+ tracked uptime and 12–30ms latency to concurrent users with zero cloud or rented-server spend. Combines infrastructure engineering with 2+ years of direct customer-facing technical support, having resolved issues for 100+ customers across Windows, macOS, and Linux. Formal training in networking, cybersecurity, IoT, and programming (Cisco Networking Academy / ITU-DTC Pakistan).

CORE COMPETENCIES

Systems & Virtualization: Linux Administration, Proxmox VE, LXC, Docker, PC Hardware & Software Troubleshooting

Networking: TCP/IP, DNS / DHCP, SSL/TLS, Reverse Proxy (Nginx / Nginx Proxy Manager), Cloudflare (DNS, CDN, Tunnels)

Hosting Platforms: Pterodactyl Panel/Wings, HestiaCP, Paymenter, FossBilling, WordPress / WooCommerce / LMS

Reliability & Ops: Monitoring, Backups, Fail2Ban, Uptime Tracking, Storage Management, OS Deployment

Programming & Security: Python, C, C++ Fundamentals, Cybersecurity Fundamentals, IoT Fundamentals

Other: Technical Content Creation, Digital Marketing / SEO, WordPress Development

PROFESSIONAL EXPERIENCE

Founder & Infrastructure Engineer — SastaHost

2025 – Present

Self-Funded Hosting Business, Pakistan

- Designed and operate a self-hosted Minecraft hosting platform using Proxmox VE, LXC, Pterodactyl Panel/Wings, Paymenter, Nginx Proxy Manager, and Cloudflare Tunnels.
- Delivered 98%+ tracked uptime and 12–30ms latency to 30+ concurrent users on a self-hosted homelab setup run at zero infrastructure cost, with no cloud or rented server spend.
- Built PKR-based pricing with local payment integration (EasyPaisa / JazzCash) tailored to the Pakistani market.
- Evaluated and planned a hardware upgrade path (dedicated Xeon E3-1225v5 node, 32–64GB DDR4) to scale capacity while keeping costs under 100,000 PKR.

Founder & Infrastructure Engineer — NexPK

2026 – Present

Self-Funded Hosting Business, Pakistan

- Built and launched shared web hosting infrastructure on the same zero-cost homelab environment, using HestiaCP, Nginx reverse proxying, Cloudflare DNS/CDN, and SSL/TLS.
- Onboarded 4–6 live hosting accounts within the first month of operation, prior to any marketing spend.
- Configured NS delegation, outbound SMTP relay, and mail deliverability to support hosting and billing operations.

Independent IT Support & Systems Technician

2+ Years (Ongoing)

Local Market, Mandi Bahauddin, Punjab, Pakistan

- Delivered hands-on technical support and data recovery for 100+ customers, covering Windows, macOS, and Linux installation and troubleshooting.
- Installed Windows on Chromebooks, extending device functionality beyond the factory OS for customers seeking a standard desktop environment.
- Diagnosed and resolved hardware and software issues for hundreds of individuals, building strong customer-facing troubleshooting and communication skills.

Content Creator — Nain Academy

Ongoing

YouTube / Technical Education, Pakistan

- Produce technical tutorials on self-hosting, homelab infrastructure, Linux administration, and networking for a Pakistani audience.
- Plan, script, and present practical, problem-first content covering real-world sysadmin and infrastructure scenarios.

IT Project Mentor (Freelance)

As Needed

Final-Year University IT Projects

- Guided two university students through the technical planning and execution of their final-year IT projects.

SELECTED TECHNICAL PROJECTS

- SastaHost — Minecraft hosting infrastructure with resource management, monitoring, backups, and customer-facing operations.
- NexPK — Web hosting infrastructure spanning HestiaCP, reverse proxying, Cloudflare DNS/CDN, SSL/TLS, and billing components.
- Learn With Nain — WordPress education platform built with Tutor LMS, WooCommerce, Blocksy, Spectra, and Redis caching.
- Electronics & Homelab — Hands-on PC/server hardware, networking, self-hosted services, and ESP8266 electronics experimentation.

EDUCATION

BS (Hons) Zoology

2019 – 2023

Superior University, Mandi Bahauddin (Affiliated with GCUF) — CGPA 3.79/4.00 (A+)

CERTIFICATIONS & TRAINING

- IT Essentials: PC Hardware and Software — ITU-DTC Pakistan (Badge Issued)
- Introduction to Cybersecurity — ITU-DTC Pakistan (Badge Issued)
- Introduction to IoT — ITU-DTC Pakistan (Badge Issued)
- Cybersecurity Essentials — ITU-DTC Pakistan (Badge Issued)
- Partner: NDG Linux Essentials — ITU-DTC Pakistan
- Partner: NDG Linux Unhatched — Global Academy
- CCNAv7: Bridging — Global Academy
- Networking Essentials — ITU-DTC Pakistan
- Partner: PCAP – Programming Essentials in Python — ITU-DTC Pakistan
- Partner: CPA – Programming Essentials in C++ — ITU-DTC Pakistan
- Partner: CLA – Programming Essentials in C — ITU-DTC Pakistan
- Introduction to Modern AI — Cisco Networking Academy
- WordPress, SEO & Digital Marketing — DigiSkills.pk / Government of Pakistan

ADDITIONAL INFORMATION

Nationality: Pakistani. Open to international / foreign / remote employment opportunities. References available upon request.