

Sascha Bühr

Systems Administrator Linux & Windows

IT Specialist for System Integration (German IHK qualification) · LPIC-1 · ISC2 CC

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PROFILE

IT Specialist for System Integration (IHK) with hands-on experience in client and end-user support in large environments (hospital group, automotive plant) and a focus on Linux administration. I independently run a Linux infrastructure of two Debian servers with containerised services, zero-trust access, hardening, automated backups to a secondary system and monitoring; I am currently building a Proxmox VE test environment. Structured, reliable and thorough in documentation – with the calm and commitment gained from many working years before IT.

PROFESSIONAL EXPERIENCE

08/2026 – present

Technical Onsite Support

wu personal GmbH – assigned to Computacenter, Mercedes-Benz plant Rastatt

- IMAC services (install, move, add, change) during live plant operations
- Setup, commissioning and replacement of PCs, notebooks and printers incl. image deployment
- Onsite and end-user support in the client environment, support for rollouts and workplace moves
- Documentation in the ticketing system, maintenance of checklists and IT asset inventory

04/2025 – 01/2026

IT Support & Client Management

Klinikum Mittelbaden gGmbH, Baden-Baden – full-time work placement

- First-level support in clinical IT operations: ticket intake, prioritisation, fault analysis (ITIL principles)
- Onsite support at medical workstations; installation and replacement of clients, printers and peripherals
- User and permission tasks in Active Directory according to company policies
- Contribution to client rollouts; support for Wi-Fi surveys and switch configuration work
- Process standardisation and structured documentation (reference: top rating, “to our fullest satisfaction”)

PROJECTS & HANDS-ON WORK

since 2024

Self-hosted Linux Infrastructure

Two Debian servers (Raspberry Pi 4), running 24/7

- Docker/Compose services: web server (nginx), password manager (Vaultwarden), DNS filter (AdGuard Home), file sharing, monitoring (Uptime Kuma, Netdata), managed with Portainer
- Published without open router ports via Cloudflare Tunnel (Zero Trust); remote access via Tailscale with subnet router
- Hardening: key-only SSH, fail2ban, TLS ≥ 1.2, HSTS, security headers incl. Content Security Policy; public-facing container without root privileges and with a read-only file system
- Backup concept in Bash/cron: consistent database snapshots, rotation, copy to a secondary system via read-only rsync access, integrity checks, alerting on failure or missed runs
- Daily network inventory with nmap/ndiff and automatic change notifications

since 10/2026

Proxmox VE Test Environment

Ongoing learning project, nested under KVM/libvirt

- Installed Proxmox VE 9, managed package repositories (no-subscription) and updates incl. kernel change
- Built a Debian 13 template with cloud-init, cloned and deployed VMs via CLI (qm)
- In progress: backup/restore with vzdump, AD domain with Windows Server 2022, automation with Ansible

2025 – 2026

Final IHK Project: IPAM/DDI Proof of Concept

Replacing spreadsheet-based IP address management

- Built an isolated lab domain with Windows Server 2022 (AD DS, DNS, DHCP)
- Evaluated a DDI/IPAM solution: DNS/DHCP integration, role model (RBAC), audit and reporting

EDUCATION & CERTIFICATIONS

2024 – 02/2026 **IT Specialist for System Integration (IHK Karlsruhe)**
Vocational retraining with 9-month work placement · final exam February 2026 · EQF level 4

2024

Certifications

- LPIC-1 – Linux Professional Institute (11/2024)
- Linux Essentials – Linux Professional Institute (09/2024)
- CC – Certified in Cybersecurity, ISC2 (06/2024, valid until 05/2027)
- In preparation: CCNA 200-301 (Cisco)

TECHNICAL SKILLS

Linux	Debian, Ubuntu · systemd, cron · Bash scripting · SSH & key management · rsync · apt · journalctl
Windows	Windows 10/11 · Active Directory (users & permissions) · Windows Server 2022: AD DS, DNS, DHCP (lab/IHK project) · Microsoft 365
Virtualisation	Docker & Compose · Portainer · Proxmox VE (entry level) · KVM/libvirt · VirtualBox
Networking	TCP/IP, subnetting · DNS/DHCP · VLAN, switch configuration · Wi-Fi analysis · Tailscale/WireGuard · Cloudflare Zero Trust
Security	Server hardening (SSH, fail2ban, least privilege) · TLS & security headers · nmap · ISC2 CC
Operations	Backup & recovery · monitoring (Uptime Kuma, Netdata) · ticketing systems · ITIL basics · IMAC · documentation

EARLIER EXPERIENCE

2016 – 2023 **Self-employed Coach & Psychological Counsellor**
NLP/hypnosis coaching, clients in DE, AT, CH, IT and LU

- Needs analysis, consulting and training – today the basis for clear communication with users

07/2004 – 12/2015 **Material Preparation / Logistics**
fischer automotive systems GmbH & Co. KG, Horb am Neckar

- Industrial logistics in the automotive sector, project work, coordination with other departments

11/2000 – 06/2004 **Fixed-term Soldier**
German Armed Forces (Bundeswehr), Horb am Neckar

- Maintenance and servicing of technical equipment, security duties, working according to regulations

ADDITIONAL INFORMATION

Languages German (native) · English (B2, technical communication) · Italian (good)

Mobility Driving licence (class B) · own car · willing to do field assignments and on-call duty

Availability At short notice by arrangement