

Linux Systems Engineer / Core Telecom Network (m/f/d), 100 %

Nexphone AG is a leading Swiss wholesale telecommunications provider. We design, build, and operate highly scalable, white-label communication solutions—including cutting-edge Cloud PBX, VoIP, Mobile (VoLTE/5G), and high-speed Internet services—for major ISPs, system integrators, and retail partners across Switzerland. The core infrastructure is engineered for maximum availability, performance, and flexibility.

What You'll Do (key responsibilities)

As a **Linux Systems Engineer**, you will run the engine room of our telecom platform. You will be responsible for the automation, logic, stability, and evolution of the high-availability Linux systems powering our softswitches, media gateways, signalling routers, and core packet gateways.

- **Scripting & Tooling:** Design, write, and maintain production-grade scripts to automate complex routing, traffic monitoring, daily operations, and bulk subscriber provisioning.
- **Infrastructure Automation & Orchestration:** Write and maintain configuration management logic to deploy, configure, and maintain consistency across our redundant production clusters.
- **System Upgrades & Lifecycle Management:** Plan and execute major OS/kernel migrations and updates of core network services with zero-downtime strategies.
- **Core Network Maintenance:** Manage deep-level networking configurations under Linux (IP routing, iptables/nftables, VRRP, keepalived, VLAN tagging, and BGP/OSPF dynamic routing).
- **Monitoring & Performance Tuning:** Optimize for high-volume, low-latency VoIP/SIP and mobile data streams. Integrate performance metrics with Grafana and other stacks.
- **On-Call & Troubleshooting:** Participate in a rotational on-call schedule to support our critical SLA commitments, performing deep-dive PCAP/Wireshark packet analysis to resolve complex SIP or GTP signalling anomalies.

Who You Are (Qualifications)

Technical Must-Haves

- **Strong Linux Expertise:** Deep, hands-on administration experience with enterprise Linux distributions (Debian, Mageia, aso.).
- **Scripting Proficiency:** Solid command of scripting for system-level integration and automation.
- **Configuration as Code:** Proven experience managing infrastructure through configuration management and automation tools.
- **IP Networking Mastery:** Strong understanding of OSI layers, TCP/IP, IP routing protocols (BGP, OSPF), and Linux-native networking tools.

- **Hands-on upgrade experience:** Practical experience upgrading production systems, orchestrating blue-green deployments, or handling live migrations of critical databases or daemon services.

Highly Valued Extras (Telecom & Cloud)

- Experience with VoIP systems, SIP signalling, and proxies (e.g. Kamailio, Asterisk, RTPEngine, or OpenSIPS).
- Familiarity with mobile core network concepts (VoLTE, IMS, virtualized packet cores, GTPv2 protocol).
- Experience with virtualization (e.g. Proxmox) and containerization (Docker, Kubernetes).
- Familiarity with database administration (e.g. PostgreSQL, MySQL/MariaDB, or Redis) under Linux.

Language & Soft Skills

- Fluent in **English** (written and spoken).
- German or French language skills are a significant advantage for collaborating with Swiss carriers and partners.
- An analytical, "safety-first" mindset when implementing configuration changes on live, high-traffic systems.

What We Offer

- A key role in a modern, agile Swiss telecom company where your technical input directly shapes our infrastructure.
- State-of-the-art tools and technologies
- Flexible working arrangements with hybrid home-office options
- Continuous opportunities for technical and personal growth

Our spacious offices are located near Winterthur Gröze railway station, where support is provided five days a week during regular office hours (8:00 a.m. – 5:30 p.m.).

Please send your written application by email to jobs@nexphone.ch.

Should you have any further questions, Markus Haupt, COO of Nexphone AG, will be happy to assist you at +41 44 545 40 55 (if unavailable, please leave a message).

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