ALINA KAUN

DevOps & Network Engineer

@ alina@duck.com   📞 +49 0176 26181187   📍 Berlin, Germany   alina   🌐 alina.cx

TECH

Linux ●●●●●
- Administration
- Custom hardened kernel builds
- Attack surface reducation
- Systemd orchestration
- Scripting with Bash and Nushell

Networking ●●●●●
- Routing: BGP, Babel, OSPF
- Transport: TCP, UDP, QUIC
- Encryption: TLS, WireGuard, OVPN
- Application: HTTP, DNS, DHCP, SSH
- Configuration: sysctl, systemd, bird2
- Authorization: OIDC, LDAP, Oauth2
- Firewall: nftables, iptables
- IPv6: NAT64, SLAAC

Monitoring & Alerting ●●●●●
- Grafana
- AlertManager
- Prometheus, Zabbix, VictoriaMetrics

Infrastructure as Code ●●●●●
- NixOS
- Ansible
- Terraform

VCS & CI/CD ●●●●●
- Git, GitLab, GitHub
- Jenkins, Nexus, Hydra
- GitHub Actions, GitLab pipelines

LANGUAGES

German: **Native**

English: **Advanced / C1**

Spanish: **Basic / A2**

French: **Basic / A2**

WORK

Amazon Web Services | 🌐
📅 2025, Q1 – ongoing   📍 Berlin
- building the European Sovereign Cloud
- handling Managed Operations for all departments of AWS
- maintaining Amazon Dedicated Cloud region build tools
- working across global teams in a fast paced environment

SpectrumOS/NLnet | 🌐
📅 2025, Q1   📍 Berlin & Remote
- fixing dependency regressions in the NixOS staging cycle
- wide range of technologies: varying build systems, languages and designs
- maintenance of the Nix Operating System and its CI/CD

VOLUNTEERING

NOC at the Gulaschprogrammiernacht | 🌐
📅 2023, ongoing   📍 Karlsruhe
- designing a network topology and infrastructure for 5000+ attendees
- Juniper MX & EX, Mellanox Cumulus and Aruba APs
- JuniperOS, Proxmox, Ansible, Grafana, Kea, Prometheus, Netbox
- vxlan, VRF, BGP, SDN, ZTP, DHCP, DNS, SIIT-DC-2xlat

PROJECTS

Hobby Infrastructure
📅 2017, ongoing
- AS212744 peering with BGP, IPv6-Anycast, pioneer of DNS over QUIC
- writing my own hypervisor-framework
- building hyperscaling cloud infrastructure for fun
- colocations in Düsseldorf, Wolfsburg and Berlin
- build farm based on Kubernetes, Ceph, Jenkins, Nexus and Forgejo

NixOS IaC collections |
📅 2023, ongoing
- algorithms for auto-scaling and internetworking server clusters
- generating a secure WireGuard mesh network with PSK-overlay & Babel
- custom hardened Linux kernel with focus on security and performance
- automation and isolation system as alternative to systemd-nspawnd
- improving the NixOS module system (plugin system and better syntax)