Christian Rebischke

chris@shibumi.dev
https://shibumi.dev

Work Experience

Software Engineer   **Red Hat**   **Mar 2022 — Now**
- Works in the Openshift Dedicated Site Reliability Team.
- Contributes to open source projects like openshift/configuration-anomaly-detector and openshift/osdctl

Site Reliability Engineer   **Avency GmbH**   **Oct 2020 — Mar 2022**
- Established a Post Mortem culture and SRE principles as the company's first SRE.
- Contributed to an electric vehicle charging platform product that consists of more than 5 microservices written in Go, communicating via GraphQL and GRPC.
- Built a CI/CD pipeline with Helm, Kaniko and Tekton from scratch for Kubernetes clusters.
- Planned and implemented multiple production-ready Kubernetes cluster on-premise with high-available customer facing deployments with Terraform, KubeOne. Ansible and Vsphere.
- Has been responsible for monitoring and alerting via MS Teams with Prometheus, Loki and Grafana.

Student   **Google Summer of Code / CNCF**   **June 2020 — Sep 2020**
- Ported *runlib* functionality from the *in-toto* reference implementation in Python to the *in-toto* implementation in Go by expanding the library with code for signing and generating *in-toto* link attestations.
- Adopted the project as core maintainer after the successful end of the Google Summer of Code internship

Work Student   **Avency GmbH**   **Apr 2020 — Oct 2020**
- Developed a customer portal based on the static site generator Hugo that provides blocklists for customer's Forcepoint Firewalls.
- Worked on a package manager in Go for deploying hardened static binaries on our customers' Forcepoint Firewalls.

Work Student   **Clausthal University of Technology**   **Apr 2014 — Apr 2020**
- Automated the TLS keypair deployment from more than 300 servers to a central firewall for inbound TLS inspection by writing a middleware in Python.
- Achieved a relation between 4500 LDAP users and their IP addresses for writing user/IP specific firewall rules via implementing a REST API as middleware between a proprietary service, Freeradius and OpenVPN in Python.
- Reduced toil of writing 2–25 mails daily via writing a software in Python that fetches IPS firewall alerts and mails them to responsible system administrators within the organization.
- Showed ownership by maintaining a Proxmox VE cluster consisting of 25 physical nodes.
- Built a proof of concept for on-campus EVPN-BGP with VXLAN with Linux hosts.

Education

Clausthal University of Technology   **Oct 2013 — Mar 2022**
- M.Sc in Computer Science: Thesis: *From the Cloud to the Clouds: Taking Integrated Modular Avionics on a New Level with Cloud-Native Technologies*
- B.Sc in Computer Science: Thesis: *Evaluation of a Sensor Cluster for Distributed Network Performance Tests*

Skills

- Languages: German (native), English (C1)
- Programming Languages: Go, Python, Bash
- Background: Started using Linux with 17. Has a good balance between Systems, Security and Software.
- Arch Linux package maintainer and security team member since 2015
- Team member of nspawn.org offering *systemd-nspawn* images.
- Maintainer of several open source projects, for instance a CIFS Prometheus exporter