

Christopher Hock

Software Engineer with Open Source in their heart

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WORK EXPERIENCE

SUSE Software Solutions GmbH

Apprentice Software Engineering

Sep 2022 - Feb 2025

- Successful completion of 2,5-year apprenticeship
- State-certified software engineer
- Contribution in Open-Source projects in an enterprise environment
- Automated registration process for prototype hardware with IPAM management tools
- Creation of Proof-of-Concept in regards to performance and maintenance improvements for openQA
- Extensive experience using SUSE Linux distributions (openSUSE Tumbleweed/SLES) as main operating system for software development

PROJECTS

Nazara - (github.com/The-Nazara-Project/Nazara)

Jun 2023 - Present

- Rust CLI application for automatic system registration with NetBox IP address management tool
- Use of REST API with complex data structures
- Design and implementation of custom configuration parser and translation logic of application data structures into API representation
- Creation of supporting libraries and software tools according to emerging requirements
- Self-organized project delivery
- RPM packaging

isotest-ng - (github.com/os-autoinst/isotest-ng)

Mar 2024 - Sep 2024

- Reimplementation of openQA core 'isotest' module in Rust
- Use of Rust's asynchronous programming features to create libraries for VNC connection and data transfer
- Creation of a VNC proxy to send user input to a test worker and analyze visual response data

cobbler-tftp - (github.com/cobbler/cobbler-tftp)

Mar 2023 - Jun 2023

- Stateless TFTP-server daemon to issue boot configuration files via the 'Cobbler' Linux deployment server
- Implementation of CLI frontend and configuration parser module
- Implementation of code quality CI and test automation
- Setup of automatic documentation deployment to readthedocs.io using the Sphinx framework

EDUCATION

Kronberg-Gymnasium Aschaffenburg

A-Level - 3.0 GPA

March 2017

- Completed "Abitur" Certificate
- English C1
- Completed Latinum and Graecum certifications

SKILLS

Python ●●●●●●
C ●●●●●●

Rust ●●●●●●
Docker ●●●●●●

Bash ●●●●●●
Git ●●●●●●

- Experienced in managing smaller FOSS projects
- Experienced in GitHub CI automation
- Experienced in the use of the Git version control system
- Experienced use of Linux distributions (openSUSE, KDE Neon, Garuda)
- Confident in working within agile paradigms (SCRUM/Kanban)
- Confident interaction with upstream maintainers and contributors
- Fundamentals of RPM-Packaging