

Tiara Lena Hock

Software Engineer with Open Source in Her Heart

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WORK EXPERIENCE

SUSE Software Solutions Germany GmbH

Apprentice Software Engineering

Sep 2022 - Feb 2025

- Successful completion of 2,5 year apprenticeship
- State-certified software engineer
- Contributions to open source projects in an enterprise environment
- Automated the registration process for prototype hardware with IP address management tools
- Created a Proof-of-Concept in regards to performance and maintenance improvements for openQA
- Applied behavior driven development concepts using the Cucumber framework
- Extensive experience in 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 the openQA core 'isotest' module in Rust
- Use of Rust's asynchronous programming features to create libraries for VNC connection and data transfer
- Creation of VNC proxy to send user input to a test worker and parse visual response data
- Creation of supporting development documentation and styleguides

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 a CLI frontend and a configuration parser module
- Implementation of a code quality CI and test automation
- Setup of automatic documentation deployment to readthedocs.io using the Sphinx framework

EDUCATION

Kronberg Gymnasium Aschaffenburg

A - Level

March 2017

- "Abitur" Certificate (Final Grade: 3,0)
- English C1
- Completed Latinum and Graecum certifications

SKILLS

Python ●●●●●●●

Rust ●●●●●●●

Git ●●●●●●●

- Proficient in managing smaller FOSS projects
- Proficient in GitHub CI automation
- Proficient use of Linux distributions (openSUSE, KDE Neon, Garuda)
- Confident in working within agile paradigms (SCRUM/Kanban)
- Confident interaction with upstream maintainers and contributors
- Experienced in containerization with Docker and Docker-Compose
- Basics of C and Bash programming languages
- Fundamentals of RPM packaging using the Open Build Service (OBS)