# Tobias Schäfer

*Diplom-Informatiker (FH)*

## Contact

Tobias.Schaefer@blackox.org

## Profile

Senior Software Engineer with over a decade of experience developing secure, scalable, and innovative solutions in web applications and embedded Linux. Skilled at leading projects from concept to deployment, integrating modern IT security practices, and collaborating with cross-functional teams. I combine technical expertise with a strong consulting background and a pragmatic approach to system operations.

https://tschaefer.org
https://github.com/tschaefer
https://linkedin.com/in/tschaefer-org/

## Work Experience

**08/2022 - today**

**Senior Software Engineer**

Zammad GmbH, Berlin, Germany

Developed and maintained "Ruby on Rails" web applications for Zammad, enhancing user experience and functionality.

Integrated an S3 client, significantly improving asset storage efficiency and data retrieval speed.

Championed Scrum methodologies, leading to a 30% increase in team collaboration and productivity.

**02/2021 - 05/2022**

**Senior Software Engineer**

OTRS AG, Frankfurt am Main, Germany

Developed and maintained Perl-based web applications for OTRS's helpdesk software, enhancing user experience.

Integrated an S3 client, improving asset storage efficiency and data retrieval speed.

Implemented an async/await pattern, optimizing the handling of long-running processes.

Advocated for Scrum methodologies, leading to a 30% increase in team productivity and collaboration.

**01/2017 -**
**01/2021**
### Software Engineer / Security Administrator

ECOS Technology GmbH, Mainz, Germany

Developed robust C- and Perl-based solutions to enhance IT security for Linux systems.

Integrated the Perl interpreter into systemd journald, improving the efficiency of logging event filtering.

Designed a secret management service for secure handling of symmetric keys and certificates.

Created an isolated container solution using QEMU/KVM for running Windows applications securely.

**05/2015 -**
**12/2016**
### IT-Consultant / System Administrator

//SEIBERT/MEDIA GmbH, Wiesbaden, Germany

Provided expert consulting and support for Atlassian applications, enhancing team collaboration.

Led the technical implementation of the Linchpin intranet solution at DerTour Group, improving internal communication.

Optimized the Linchpin intranet for B. Braun, resulting in increased user engagement and satisfaction.

**01/2014 -**
**04/2015**
### Embedded Linux System Engineer

tecnotron elektronik gmbh, Bodensee Area, Germany

Developed and integrated C-based Linux software for embedded systems, enhancing operational efficiency.

Collaborated with a Canadian research team to design a "high voltage transformer monitoring system", improving safety and reliability.

Contributed to innovative solutions in an industrial setting, leveraging advanced programming skills and teamwork.

**07/2011 -**
**12/2013**
### Software Engineer Linux Development

ifm ecomatic gmbh, Bodensee Area, Germany

Developed an ASi fieldbus gateway on PowerPC architecture, enhancing industrial communication capabilities.

Led the certification process of the gateway to EtherNet/IP, ensuring compliance with industry standards.

**06/2009 -**
**06/2011**
### Linux Administrator IT

Avira GmbH, Bodensee Area, Germany

Co-responsible for the security and maintenance of Avira's international IT infrastructure, ensuring optimal performance.

Unified and consolidated the QA infrastructure, leading to a 30% increase in operational efficiency.

Designed and deployed an active-active SMB file server, enhancing data availability for the research lab.

## Education

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|---|---|
| 03/2004 - 04/2009 | **Diplom-Informatiker (FH)** |

University of Applied Sciences Worms, Germany

*Telecommunications, Applied Computer Science*

Thesis: **Recherche und Integration von Softwaretest- und Dokumentations-Werkzeugen für die Perl-Programmierumgebung**

GPA: 1.5 (German grading system)