

# QUIRIN SAILER

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📍 Pfaffenhofen, Bavaria - Germany

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Wildcard at Work: A dynamic software engineer with extensive experience in a variety of high-impact projects and entrepreneurial ventures. Proficient in both strategic planning and detailed, hands-on development, capable of managing and executing multiple project roles effectively.

## EXPERIENCE

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Research assistant / Phd Student

**Chair of Software and System Engineering**

📅 Oct. 2023 – Current 📍 Munich, Germany

- Research on view-based development of cyber-physical systems
- Working on a DFG-funded project with a larger team of thirty researchers from five universities
- Tutorial for the Security Engineering lecture
- Already began working on the project as a research assistant until completing the master's degree

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Founder and CEO

**Löw & Sailer Software**

📅 Oct. 2020 - Current 📍 Pfaffenhofen, Germany

- Project management and development up to a budget of €200,000
- Building and managing a team of four employees
- Focus on complete systems, with hardware and software components

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Self-employed & it's2morrow

📅 Aug. 2016 - April 2019 📍 Pfaffenhofen, Germany

- Development of projects for various clients

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Internship - IT Department

**Baader Bank AG**

📅 July 2016 📍 Unterschleißheim, Germany

- Participated in the software release process, contributed to data import enhancements and new functionalities

## ACHIEVEMENTS

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- Member of best.in.tum, a special program for the top two percent of the department's students
- Microsoft Certified: AZ-204 Azure Developer Associate
- International Software Architecture Qualification Board: Certified Professional for Software Architecture (CPSA-F)
- Microsoft Certified: Azure Fundamentals
- Development of UHF RFID programs based on MCES2
- Microsoft Certified Professional: 70-483 C#

## EDUCATION

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Master Informatics

**Technical University Munich (TUM)**

📅 October 2020 – April 2024

- best.in.tum | Department of Informatics
- Focus on Software Engineering and Software Architecture

Bachelor Informatics

**Technical University Munich (TUM)**

📅 October 2016 – October 2020

- Minor in Business Administration

## PROJECTS

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Excerpt from projects which are not subject to an NDA.

**Fastbus.app (started in 2022)**

- I developed a real-time, on-demand traffic app for managing demand-responsive bus fleets, enabling automatic ride allocation to available busses. The application features a sophisticated algorithm that accounts for delays and optimizes bus utilization.

**Brain Assistant (started in 2018)**

- Developed a software tool for evaluating concentration abilities using EEG data, which reads patients' brainwaves through a cap and analyzes them using various algorithms to assess concentration abilities.

**MyCleanHotel (started in 2017)**

- A management software I designed to handle all tasks within a hotel. The focus of the project was on the development process, utilizing Domain-Driven Design and workshop formats such as event storming.

# ADDITIONAL ACTIVITIES

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## Bavarian Elite Academy

📅 June 2023 – Current

- The Bavarian Elite Academy provides a scholarship for outstanding and socially committed students to develop them into responsible leaders.

## Hackerspace "HopfenSpace" Pfaffenhofen

📅 2018 – Current

- Co-founder of a local hackerspace, fostering a community for technological and creative projects.

## On Demand Bus "Linie Nacht"

📅 2019 – Current

- Driver and co-driver for a community-based night bus service, ensuring safe transportation options during nighttime for teenager and young adults.
- Starting point for the fastbus.app project

## Hackathon Hunters

📅 2017 – Current

- Founding Member of a group of very motivated hackathon enjoyers [hackathon-hunters.de](https://hackathon-hunters.de)

## Bürgernetz Landkreis Pfaffenhofen e.V.

📅 2019 – Current

- The Bürgernetz Landkreis Pfaffenhofen e.V. is an association founded in 1996 to promote digital education and digitalization.
- Secretary and therefore board member between 2019 – 2023

## Microsoft Student Partner

📅 2017 – 2019

- As Student Partner I regularly organized and attended events with Microsoft such as Hackathons, Workshops and Tech Talks.

## Open Project

📅 2017 – 2018

- Led programming courses for children, aiming to enhance their technical skills and interest in technology.