

Thomas Maximilian Schöller

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Work Experience

Ulm University

Student Research Assistant

Jan 2025 – Dec 2025

- Contributed to a research project on algorithm detection
- Designed and developed a tool for the static obfuscation of Java source code
- Contributed to Spoon, an open-source Java metaprogramming library
- Assisted in the statistical evaluation of a user study using R and ggplot2

SEITENBAU GmbH

Working Student

Oct 2023 – Mar 2024

- Supported the transition of a self-hosted CI/CD environment into a centralized, company-wide infrastructure
- Designed and implemented GitLab CI/CD pipelines to replace the JetBrains TeamCity setup
- Developed a .NET application leveraging the JFrog Artifactory REST API for automated artifact management
- Performed refactoring and maintenance on existing ASP.NET applications

Backend Developer, Full-time

Feb 2021 – Oct 2023

- Architecture design of .NET backend services for one of Germany's leading streaming and TV platforms
- Maintained services handling over 30,000 requests per second at peak times for millions of customers
- Ensured high code quality through automated testing, refactoring, code reviews, and pair programming sessions
- Maintained and optimized CI/CD pipelines and the underlying infrastructure
- Worked within a self-organized agile team, coordinating closely with clients and presenting technical innovations

Bachelor's Thesis

Sep 2020 – Jan 2021

- Topic: Automated Deployment and Testing of Distributed Microservices
- Containerized existing ASP.NET backend services to facilitate declarative deployments
- Implemented container deployments across both Windows and Linux environments
- Automated test execution using Docker Compose and Docker Swarm, with Traefik as a reverse proxy
- Facilitated technical coordination and communication with the client's IT operations team

Mettler-Toledo (Albstadt) GmbH

Student Employee

Aug 2016 – Aug 2020

- Dual-track program combining a Bachelor's in Computer Engineering and a vocational degree
- Automated the creation of customized Windows OS images to standardize deployments on industrial scales
- Developed internal tools in Java with a focus on improving code quality and testing using SonarLint and JUnit
- Designed and programmed interactive games for recruitment events using Arduino, C, and Python

Education

Ulm University

Master of Science in Software Engineering

Oct 2023 – Now

- Contributions to flowR, a static analysis framework for the R programming language
- Student volunteer at the deRSE26 conference

Reykjavik University

Grade: 9.8/10

Semester Abroad

Aug 2024 – Dec 2024

Albstadt-Sigmaringen University of Applied Sciences

Grade: 1.0 (DE), with distinction

Bachelor of Engineering in Computer Engineering

Mar 2017 – Jan 2021

Chamber of Commerce and Industry Reutlingen

Grade: 98/100 Points

IT Specialist Application Development

Aug 2016 – Jan 2019

- Award for the best grade in the German federal state of Baden-Württemberg

Skills

Programming Languages: C#, TypeScript, Java

Frameworks: ASP.NET, EF Core

Certificates: iSAQB CPSA-F, ISTQB CTFL, Scrum.org PSM 1, CNCF CKAD (exp. November 2025)