Julian **Villing**

SOFTWARE DEVELOPER

Praetoriusborgen 13, 85560 Ebersberg, Germany

✉ julian.villing@outlook.com | ⬛ julian-villing | 💼 julian-villing

Experience

Löw & Sailer Software UG *Remote*

SOFTWARE DEVELOPER *Nov. 2021 - Present*

- Ensured the cloud configuration is always up to date by managing Azure resources using Pulumi, therefore automating the process of provisioning and updating resources
- Automated continuous deployment into Azure by integrating a web application with Docker and using Pulumi
- Simplified PDF creation and prevented text from exceeding boundaries by implementing a wrapper on top of jsPDF, computing the required space of each element and automatically placing them across multiple pages
- Decreased test complexity by using a specification testing-based approach and splitting up large test cases into smaller ones
- Improved code quality by transforming large components into reusable, smaller components
- Greatly increased scalability, performance, and resilience of web applications by refactoring the Blazor Server front-ends into Blazor WebAssembly front-ends and REST APIs

Education

TUM (Technical University of Munich) *Garching, Germany*

M.S. IN COMPUTER SCIENCE *Okt. 2020 - Sep. 2022*

- Thesis: "Automatic Recognition of Crosses in Digitalized Documents"
- Courses: Advanced topics of software testing, advanced topics of software engineering

TUM (Technical University of Munich) *Garching, Germany*

B.S. IN COMPUTER SCIENCE *Okt. 2016 - Sep. 2020*

- Thesis: "TUMexam: Digitalizing Attendee Control for Examinations – Recognition of Student Card and Registration Number Box"
- Courses: Introduction to software engineering, patterns in software engineering
- Worked as a tutor in different programming courses, teaching other students

Skills

DevOps	Azure, Docker, Docker Compose, Pulumi, GitLab CI
Azure	Storage APIs, Application Insights, Key Vault
Back-end	ASP.NET Core, REST, OpenAPI, EF Core, xUnit
Front-end	Blazor Server, Blazor WebAssembly, MudBlazor, Next.js
Patterns	DDD, CQRS, SRP, IoC, DI, MVVM
Programming	C#, Razor, LaTeX, TailwindCSS, Bootstrap, HTML5, CSS, JavaScript
Software	Rider, Git, Postgresql, Sqlite
Languages	German, English