

Curriculum Vitae

Jonas Fischer

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WORK EXPERIENCE

Siemens AG, Vienna — Researcher & Software Developer (Part-Time)

April 2023 – January 2025

- Built and maintained full-stack apps with TypeScript & Angular
- Created electric grid simulations and data visualizations with Python, Plotly & Dash
- Developed LLM apps and RAG pipelines with Python, LangChain, Ollama, CrewAI & AutoGen

anybill, Regensburg — Backend Developer (Full-Time)

August 2021 – September 2022

- Maintained the backend infrastructure and built REST APIs for mobile, web, and partner integrations with C#, .NET, SQL & CosmosDB
- Integrated external POS systems and payment service providers
- Deployed apps with Docker & Kubernetes and managed CI/CD pipelines in Microsoft Azure

MedicDat GmbH, Regensburg — Software Engineer (Part-Time)

June 2019 – July 2021

- Built secure mobile apps and web platforms for doctors, supporting their daily workflows with Python, WebRTC, Flutter & Firebase

Universidade do Algarve, Faro — Frontend Developer (Full-Time)

September 2019 – February 2020

- Developing an augmented reality app to explore Portugal's nature using C# and Unity3D

EDUCATION

TU Vienna — M.Sc. Software Engineering and Internet Computing

October 2022 – March 2025

- Learned diverse software engineering & internet computing techniques using Java, Spring Boot, Go, SQL, Angular, Apache Storm, Kafka, Docker
- Gained expertise in advanced security topics such as network security, mobile security & digital forensics

OTH Regensburg — B.Sc. Medical Computer Science

October 2017 – March 2021

- Learning procedural programming (C), OOP (C++), algorithms and data structures, operating systems, databases and other common programming techniques

SOCIAL ACTIVITIES

Member of Ratisbona Coding e.V. Regensburg

September 2019 – October 2023

- Organizing Hackaburg, Hackaburg School and other IT-related events encouraging pupils and students to have fun in IT

Member of the Computer-Science student council at OTH-Regensburg

October 2017 – March 2021

- Plan and execute events and provide support to other students

Semester-speaker of medical computer science at OTH-Regensburg

March 2020 – March 2021

- Representing the interests of fellow students

SKILLS AND TOOLS

Languages

- German (Native)
- English (C1)

Awards

- Scholarship of the Max Weber Programm Bayern
- Johann-Michael-Fischer Medaille for special social commitment

Technologies

- **Programming & OOP:** C#, Java, Python
- **Databases:** SQL & NoSQL (CosmosDB, PostgreSQL, MySQL)
- **Frontend & Mobile:** JavaScript, TypeScript, Angular, Flutter, Dart, HTML5, CSS
- **Backend & Infrastructure:** .NET,, Node.js, REST APIs, Docker, Kubernetes, Linux
- **AI & Machine Learning:** LangChain, Ollama, CrewAI, AutoGen, RAG
- **Cloud & DevOps:** Microsoft Azure, CI/CD pipelines, Git
- **Documentation & Tools:** LaTeX, Markdown, Swagger