

# CURRICULUM VITAE Jeremy Heißenberger

## Personal Details

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## Professional Profile

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Motivated aspiring software developer with a focus on Java backend and modern web technologies. Practical experience in developing microservices and reactive frontends through intensive university projects. I am currently seeking an internship or junior position to apply my knowledge in professional CI/CD environments and deepen my skills in real-world applications.

## Professional Experience

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07/2023 – 03/2024 **Alternative Civilian Service** at Austrian Red Cross – Lower Austria

- Supported emergency medical and patient care services
- Communicated effectively with patients and team members
- Handled challenging and high-pressure situations

## Education

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Since 08/2024

**Bachelor studies in “Software Engineering & Networked Systems”** at University of Applied Sciences Burgenland – Campus Pinkafeld

**Focus areas:**

- Software Engineering & Object-Oriented Programming
- Web/IoT & Networked Systems
- DevOps & Software Lifecycle
- IT Security

**Expected graduation:** Bachelor of Science – June 2027

09/2015 – 06/2023

**High School** at Bundesgymnasium Neunkirchen

**Graduation:** Matura (Passed with Merit) – June 2023

## Hands-on Projects

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- **Further Development of gAmIcode – Gamified Learning Platform** – ongoing
  - Description: Conceptual and technical redesign of a programming task platform towards a modular, extensible architecture
  - Tech-Stack: JavaScript (Backend), React (Frontend), MongoDB, Docker
  - Focus: Development of an automated evaluation system for Java (Unit Tests) and SQL, alongside containerization of execution environments
- **Webshop Microservices – Full-Stack E-Commerce System**
  - Description: Development of a modular webshop architecture with separated services for inventory and order management
  - Tech-Stack: Spring Boot, REST, PostgreSQL, Docker, Maven
  - Focus: Implementation of Quality Gates (Checkstyle, PMD, SpotBugs) and an automated CI/CD Pipeline to ensure high code quality
- **Distributed Sensor System – Cloud & Mobile Integration**
  - Description: End-to-end system for collecting and visualizing sensor data via microservices
  - Tech-Stack: Spring Cloud (Eureka, Gateway), JWT Auth, Angular, Android (Capacitor)
  - Focus: Secure backend-to-client communication and real-time visualization using Chart.js
- **ActiveTogether – Reactive SPA for Course Management**
  - Description: Single Page Application (SPA) for the efficient management and registration of sports courses
  - Tech-Stack: Angular (v17+), Signals, RxJS, Angular Material, Bootstrap
  - Focus: Modern State Management with Signals and a responsive UI design for optimal cross-device user experience
- **IoT Environment Monitor – Python & MQTT**
  - Description: Networked measurement system based on the JoyPi experiment kit for monitoring environmental data
  - Tech-Stack: Python, MQTT (paho), Raspberry Pi GPIO, REST Integration
  - Focus: Reliable Pub/Sub Messaging for transmitting sensor data to a central monitoring system

## Technical Skills

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- **Backend:** Java (Spring Boot, Cloud, Security), JavaScript (Node.js), Python, C#, PostgreSQL, MongoDB, JPA / Hibernate, REST APIs, JWT
- **Frontend:** Angular (RxJS, Signals), React, TypeScript, SCSS
- **DevOps & Tools:** Git, Docker, CI/CD, Jira/Confluence, MQTT
- **Methods:** Scrum, Kanban

## **Languages**

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- **German:** native
- **English:** highly proficient
- **Spanish:** basic knowledge

## **Additional Skills**

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- **Licenses:** Driver's License (Class B)

## **Hobbies & Interests**

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- Virtual Reality & Simulation Technologies
- New Software Technologies
- Fitness & Motorsport Simulation