

# Mathieu Heinrich

## Software Engineer

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[LinkedIn](#) | [GitHub](#)



## PROFESSIONAL SUMMARY

Software Engineer with 2+ years of hands-on experience across web and mobile. Core strengths in backend with Java (Quarkus) and cross-platform mobile with Dart/Flutter. Clean APIs, test automation & CI/CD, and modern frontends (React/Next.js). Cloud-native mindset with Docker/Kubernetes, fundamentals of distributed systems, and observability (logging/tracing).

## WORK EXPERIENCE

### Software Engineer

[Medidata AG](#), [Root D4](#)

Oct 2024 – Present

- Backend & systems engineering in Java (Quarkus)
- Designing and implementing REST APIs
- Setting up local LLMs via vLLM for in-house inference
- Building medical rule-based LLM systems
- Containerization with Docker / Kubernetes
- Test automation (E2E / integration) and CI/CD pipelines
- Agile collaboration with focus on code quality and reliability

### Intern Application Development

[Supercomputing Systems AG](#), [Zurich, Switzerland](#)

Aug 2022 – Jul 2024

- Contributed to software development for ticket machines
- Developed frontend and backend solutions for over 1,500 ticket machines and sales devices across Switzerland
- Ensured user-friendliness and high quality of software used daily by thousands of travelers
- Actively participated in the Scrum development team; recognized for commitment and quick comprehension
- Successfully completed project work through technical skills, professional work ethic, and proactive attitude

## EDUCATION

### IT Specialist EFZ, Application Developer

[WISS School](#), [Bern](#) | [Zurich](#)

Aug 2020 – Jul 2024

## TECHNICAL SKILLS

**Programming Languages:** Java, TypeScript, Dart, PHP

**Frontend Technologies:** HTML5, CSS, React, Next.js, Flutter, Vaadin

**Backend Technologies:** REST APIs, Node.js, Express, Quarkus, PostgreSQL, Oracle, Docker, Microservices

**Tools and Frameworks:** Linux, Git, GitHub Actions, CI/CD, Vercel, Tailwind CSS, Kubernetes, OpenShift, Docker Compose, Observability (Logging/Tracing)

**AI & Machine Learning:** TensorFlow, Claude API, Data Analysis, Prompt Engineering

## LANGUAGES

German: Native (C2) | English: Fluent (C1) | French: Basic (A2)

## VOLUNTEER WORK

### J+S Coach Youth Course

[Kanu Club Lucerne](#), [Lucerne](#)

Since March 2023

As a J+S coach, I teach children & teenagers how to kayak and stay safe on the water.

## INTERESTS

Sport: Kayaking, Bouldering & Climbing | Culture: Reading English and American books | Travel: South East Asia, Scandinavia, Europe, North America