

VALENTINO RUSCONI

Software Engineer

vfrusconi@gmail.com • +41 79 786 66 25 • Münchenstein, Switzerland

PROFESSIONAL EXPERIENCE

Senior Software Engineer – Netilion IIoT Services

Endress + Hauser Digital Solutions AG, Reinach, Switzerland

January 2025 – Present

- Responsible for the development and maintenance of IIoT Web Services, comprising microservices that provide core functionalities of the IIoT Ecosystem. Actively contribute as an architect to the future architecture planning.
- Lead integration of existing services
- Drive architectural decisions
- Mentor junior developers

Software Engineer – IIoT Platform Core Team

Endress + Hauser Digital Solutions AG, Reinach, Switzerland

June 2023 – January 2025

- Focused on development, maintenance, and operation of an advanced IIoT platform, concentrating on core functionalities and platform architecture
- Developed and optimized the platform's core API
- Utilized tech stack: Heroku, Ruby on Rails, React, TypeScript, Sidekiq, MQTT, Kafka, Redis, PostgreSQL, and time-series databases
- Developed Sidekiq integration for efficient background job processing and data handling
- Refactored permission system to significantly improve platform performance
- Enhanced Kafka connectivity to enable seamless integration of additional data sources

Backend Engineer

Dentoe AG, Zürich, Switzerland

September 2021 – May 2023

- Engaged in sophisticated backend development, focusing on core application enhancement, online booking systems, and complex feature integrations
- Resolved critical system bugs, significantly enhancing application stability and user experience
- Integrated third-party APIs to facilitate seamless data exchange and expand functionality
- Leveraged cutting-edge technologies: Ruby on Rails, Vue.js, REST, GraphQL, and Kubernetes

Junior Software Developer – IIoT Development

Endress + Hauser Digital Solutions AG, Reinach, Switzerland

August 2019 – August 2021

- Participated in the development of the IIoT ecosystem as a junior developer, contributing to the foundational architecture and feature development of the platform
- Contributed to the development of the IIoT platform using Ruby on Rails and ReactJS
- Collaborated with senior developers on ecosystem architecture and design decisions
- Implemented frontend components and backend services for the growing IIoT platform
- Gained comprehensive experience in full-stack development within an industrial IoT environment

EDUCATION

Swiss Certificate of Competence

Endress + Hauser AG Process Solutions

August 2015 – July 2019

Apprentice in Computer Science EFZ, Specialization: Application Development

BVS2 Computer Science

August 2013 – July 2015

Secondary Education Level E

Lärchen Münchenstein

July 2007 – July 2011

PROFESSIONAL QUALIFICATIONS

ISAQB Foundation Training – Completed

Certified Professional for Software Architecture – Foundation Level

Berufsbildner Certification – Completed

Certified Vocational Trainer – Qualified to supervise and train apprentices

LANGUAGES

- **German:** Mother Tongue
- **English:** Fluent

TECHNICAL SKILLS

- **Programming Languages:** Ruby, JavaScript, Node.js, Ruby on Rails, ReactJS, Java, TypeScript
- **Database Management:** SQL & NoSQL databases, PostgreSQL, Redis, Time-series databases
- **DevOps & Infrastructure:** CI/CD, Heroku, GitHub Actions, Gitlab CI, Sidekiq, Kafka, MQTT
- **Soft Skills:** Solution-oriented mindset with focus on objective evaluation of alternatives; Analytical thinking and systematic problem-solving approach; Continuous learning and adaptation to emerging technologies; Collaborative approach to architecture and design decisions; Cross-functional collaboration

PRIVATE PROJECTS & HACKATHON EXPERIENCE

Practice Management Software for Therapists

- Developed with Nuxt.js and Encore

Gamified BJJ Learning App

- Developed with React Native and Supabase

BaselHack

- Consistent annual participation from 2017–2025, contributing to innovative team projects and creative solutions

Bosch Connected Experience Hackathon

- Participated in 2018 and 2019, focusing on IoT-related challenges and collaborative software development

Endress + Hauser FedEx Day

- From 2018–2019 was part of an organization team where internal innovation day inspired by hackathons was introduced