Felix Saaro

Software Engineer, MSc Data Science
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Engineer with over a decade of experience writing and deploying software. Started with an apprenticeship in Software Development, worked as a Front-End Developer, gained DevOps experience while completing a Bachelor in Computer Science, and worked as a research assistant during the Master in Data Science.

Experience

Research Assistant — ZHAW, Centre for Artificial Intelligence   2023 – Present
Winterthur, Switzerland

Developed event and LiDAR based vision pipeline for in-flight object detection, including synthetic dataset creation through simulation, quadcopter sensor payload building for validation, and a spatial-temporal sensor calibration method.

Extracted 574 distinct labels across 3 levels from 30'000 emergency department records for pediatric injury monitoring with only 2'000 annotated records using a fine-tuned LLM. Assumed end-to-end responsible for data preparation, annotation, model fine-tuning, evaluation and reporting to senior stakeholders at the Swiss Council for Accident Prevention (BFU).

Deployed and monitored TTS and Classification models with NVIDIA Triton and full precision LLMs up to 70B using vLLM across multiple nodes on our on-premise GPU infrastructure. Developed and deployed a scheduling tool for the autonomous testing infrastructure (LINA) built using React, NodeJS and PostgreSQL.

DevOps Engineer — Bühler Group AG   2019 – 2023
Uzwil, Switzerland

Built process automation within Azure DevOps to improve code review, dependency tracking, and deployment workflows, supporting ISO27001 certification. Developed a documentation platform aggregating 100 repositories with an integrated chatbot based on the Azure Bot Framework and prototype a RAG system using FastAPI and PostgreSQL. Collaborated on standardizing reusable front-end components within an Angular library across multiple teams.

Front-End Engineer — CanvasHeroes B.V.   2017 – 2019
Amsterdam, The Netherlands

Owned multiple web and mobile projects. Tech stacks including React, React Native and Symfony. Optimizing the scaling of an app to 10k concurrent users by applying state of the art caching and distributed database replications. Drove development life cycle improvements by implementing best practices in CI/CD using Bitbucket pipelines. Mentored interns by guiding them through code reviews, best practices and knowledge sharing.

Apprentice / Software Developer — Online Consulting AG   2013 – 2017
Wil, Switzerland

Contributed to a web-based platform for industrial after-sales services within an international SCRUM team.

Education

MSc Data Science – ZHAW in Winterthur, Switzerland	2023 – Present
Thesis: On the Evaluation of RAG Systems: A Bayesian View	*Final Grade: WIP*
Semester Project: Do NOT Classify and Count: Hybrid Attribute Control Success Evaluation	*Final Grade: 6/6*

BSc Computer Science – ZHAW in Winterthur, Switzerland	2020 – 2023
Including an Exchange Semester at UiA in Grimstad, Norway	Fall 2022
Thesis: The Influence of Audio Length on the Performance of Swiss-German Speech Translation Models	*Final Grade: 5.5/6*

Projects

Bunvol.ch   2026
Platform for coordinating volunteers and staff at events, streamlining scheduling, communication, and task management. Built using React, Pocketbase. Deployed on a VPS using Github Actions and Docker.

Cheers.li   2023
Mobile app to share your location with friends and invite them to join. Built with Capacitor and Supabase, deployed via Fastlane.

Flooq.io   2022
Event-driven low-code platform connecting software systems. Built with React, .NET, and NodeJS, deployed on Kubernetes using Helm Charts.

Volunteer Experience

President – Handballclub Uzwil   2024 – Present
Lead a club with 100 children across 14 teams and 60 adults across three teams. Coordinate activities, support coaches and volunteers, and organize initiatives such as two regional youth tournaments with 400 participants each.