



# Matthias Langhard

CO-FOUNDER & SOFTWARE ENGINEER @ NOVALOOP AG

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## Work Experience

### Novaloop AG

CO-FOUNDER & FULL STACK SOFTWARE ENGINEER

- Co-Founded Novaloop AG in May 2020

Zurich

2020 - present

### EcoLogic AG

FULL STACK SOFTWARE ENGINEER / PROJECT LEADER / TECHNICAL LEAD

- Planned, designed and implemented various medium-sized web applications in the front end and the back end using cutting-edge technologies and frameworks
- Designed, planned and implemented a medium-sized multitenant, multi-database SaaS application
- Migrated applications and services to the cloud using technologies such as Kubernetes, Docker and VPNs.
- Worked on the architecture and implementation of complex CD/CI (Continuous Deployment, Continuous Integration) mechanisms
- Introduced new project management frameworks such as Kanban and Scrum
- Maintained Linux application servers

Zurich

2016 - 2021

### Stanzwerk AG

SYSTEM ENGINEERING / SYSTEM ARCHITECT BASIC INFRASTRUCTURE / PROJECT LEADER

- Introduced a multilayer WLAN network infrastructure to separate production-relevant systems from office devices
- Project management and client engineering in the rollout of Windows 8.1 for 350 employees and computer systems
- Maintained medium-sized ESXi clusters and storage environments
- Developed various smaller .NET applications to support production facilities and for automation tasks
- Developed a Linux raspberry-pi WLAN-to-Ethernet bridge, which was used to print labels on forklifts with power consumption below 12 V

Unterentfelden

2012 - 2016

### EcoLogic AG

SYSTEM ENGINEERING / SYSTEM ARCHITECT BASIC INFRASTRUCTURE / PROJECT LEADER AT ECOLOGIC AG

- Inspected and maintained various server and network systems
- Planned and implemented small and medium system engineering projects

Zurich

2008 - 2011

## Education

### At the University of Applied Sciences and Arts Northwestern Switzerland (FHNW)

BACHELOR OF SCIENCE (B.Sc.) IN COMPUTER SCIENCE

Zurich

Mar. 2010 - Aug. 2017

## Skills

**Backend** ASP .Net Core, SQL (PostgreSQL, MSSQL, MySQL, MariaDB), REST API, Headless CMS (Directus)

**Frontend** Angular, Ionic, GraphQL, RxJS, HTML, CSS, SASS

**DevOps** Kubernetes, Docker, Istio, Google Cloud, Linux / Unix Administration

**Programming Languages** C#, Typescript, Javascript, Go, Bash, Java

**Languages** German, English