

MAIL  
marc@clout.ch

LANGUAGES

french  
english  
german  
italian  
japanese  
spanish



INTEREST

Football  
Time with family  
Learning new things  
Travel

AGE

37 years old

COMPETENCES

Programming languages  
Java, Javascript, Typescript, C#, NodeJs, Bash  
Java frameworks  
Spring (Boot, MVC), Hibernate, JSP  
Javascript frameworks  
Angular, React, Next.js, Ionic, jQuery  
Tools  
IntelliJ, Jenkins, Jira, Openshift, Splunk, Docker, Instana  
Miscellaneous  
Maven, Oracle, MySQL, PostgreSQL, MongoDB, Hazelcast, Tomcat

## FORMATION

**MCSO: APP BUILDER Certification**

MCSO: Web Applications  
Developing Microsoft Azure and Web Services

2017

2017

2017

**BACHELOR in computer science**

Bern University of Applied Sciences (BFH)

2005 - 2008

## HISTORIC

**CLOUT@BIEL** an IT services company

Founder  
IT Consultant  
Fullstack developer

2022 - today

**SPOUD@BERN** an innovative start-up in streaming technology

Product board  
Team leading  
Java/Web Developer

2018 - 2021

**SIX GROUP@BIEL** a financial information company

Java/Web Developer

2017 - 2018

**ITSYSTEMS@BASEL** a Sharepoint web application company

C#/Web Developer

2014 - 2017

**GOLDBACH INTERACTIVE@BIEL** a web application development company

C#/Web Developer

2009 - 2014

**AFFOLTER GROUP@MALLERAY** a CNC machine production company

Industrial application developer

2005 - 2008

## PROJECTS

**PUBLIC TRANSPORT @ SPOUD/CLOUT**

2020 - today

Large-scale project to migrate the train information system (ZIS) to new streaming technologies

New technologies  
Complex business

*Technologies:* Java, Spring, MQ, Kafka, Hazelcast, MongoDB, Angular, Typescript, Rxjs

*Skills developed:* Learn a complex business and innovate the UI part

**PUBLIC TRANSPORT @ SPOUD**

2019 - 2020

Advanced protection system, an innovation project that is part of smartrail 4.0. Enable the use of ETCS level 3 ("full mobile block"), in the long term, for all train movements.

Massive innovation project  
Complex business

*Technologies:* Java, Spring, MQ, Angular, Typescript, Rxjs

*Skills developed:* Ability to synchronize business crosses and translate a complex domain into code while contributing to possibly defining new transport standards.

## AGOORA @ SPOUD 2018 - 2019

Creation of a data market as a service platform (Big data platform). I was responsible for leading the Product Board of the company as well as the development team (Frontend & Architecture technical manager).

Project management  
Team management  
Innovate in an innovative field

*Technologies:* Java, Spring, Kafka, Angular, PostgreSQL, Typescript, Rxjs, Ngrx GraphQL, D3, Plotly, NodeJs, Gerit

*Skills developed:* The flexibility of a start-up, always finding the most pragmatic solution in a very short and long term gain perspective.

## SECO, DFAE, PARLEMENT.CH @ ITSYSYSTEMS 2014 - 2017

Creation and maintenance of multiple client sites, including: the Swiss Parliament (Finalist Best of Swiss Web), State Secretary for Economic Affairs SECO, Federal Department of Foreign Affairs FDFA

Pushing Sharepoint to its limits  
First steps with Azure Cloud

*Technologies:* Sharepoint, C#, Javascript, React, Angular

*Skills developed:* Cost estimation (via Waterfall/Agile), architecture definition, budget, features

## LOETSCHBERGER, HANHART, MC-DONALD SUISSE, OMEGA, ETC. @ GOLDBACH 2009 - 2013

Creation of websites or web applications for large groups such as : Loetschberger, Hanhart, Mc-Donald Switzerland, Omega, etc. This includes the organization and creation of national advertising campaigns.

*Technologies:* C#, jQuery, Oracle, Kentico

*Skills developed:* Project management, meeting deadlines (advertising campaigns do not forgive delays), the importance of a good UI/UX and the financial impact on campaigns.

## SIX @ SIX 2017 - 2018

Finance - Development of a data delivery platform (stock market information). Large projects with high data throughput.

*Technologies:* Java, Spring, React

*Skills developed:* Microservices architecture requiring maximum stability, First project with SCALE

## DAIMLER (SMART) @ GOLDBACH 2013 - 2014

Creation of a web application for car customization (build my car). The application allows you to configure your car, change colors, options and get a code to order easily at a car dealer.

At the cutting edge of what the Web was offering at the time  
Large project management, in collaboration with other Europeans teams  
Innovative project

*Technologies:* Java, Javascript, Oracle

*Skills developed:* First experience in a project on a European scale (the project had to connect to other systems built by other teams)

## CAM CALCULATOR @ AFFOLTER GROUP 2005 - 2008

Creation of an industrial application for CAM machines calculations. Transformation of instructions from a spreadsheet into 360 degree cutting machine language. Tool used for machining high precision watch parts. Only computer scientist on the project

Understanding a new complex business (CAM calculator)

A lot of mathematics

Creation of a code that transforms the instructions of the spreadsheet into machine code (compiler)

*Skills developed:* The collaboration with the mechanical department was the most important part, in order to create the best possible UX and to learn enough about the CAM calculation profession.