

# MATTHIAS BRAT

I follow change, autonomy, music and kindness.



📍 SION, VALAIS

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## WORK EXPERIENCE

### INTEGRATOR INTERN

CANTONAL IT DEPARTMENT OF  
VALAIS/WALLIS STATE,  
SION, CH  
2022-11 - 2024-07

Internship centered on learning and using deployment tools:

- Gitlab CI/CD, ELK, Red Hat SSO, OC4, Quay
- Angular (RxJS/NGXS), Svelte, PWA
- Quarkus, Springboot, reactivity

### SOFTWARE INTERN

COMPENSATION FUND OF VALAIS/WALLIS  
STATE,  
SION, CH  
2022-11 - 2023-01

Built an app that adds a QR-Code to existing bills using C# WPF.  
Then migrating app in PHP on a Tomcat server.

### SOFTWARE INTERN

SPECIALIZED UNIVERSITY,  
VALAIS/WALLIS, SIERRE, CH  
2022-03 - 2022-05

Built an app tracing new renewable energies in Valais/Wallis, CH.  
Using Laravel 9, Chart.js and making a python web scraper.

### STUDENT

CAMPUS EPTM,  
VALAIS/WALLIS, SION, CH  
2019-08 - 2024-06

Followed ICTVS modules:

[Modulbaukasten](#)

\*<https://www.modulbaukasten.ch/?d=4f50e7f3-6b82-eb11-a812-0022486f6f83>

### IT INTERN

INSTITUTE OF RADIOLOGY OF SION  
2018-03 - 2018-04

Discovering healthcare computer science and assistance.



## PROJECTS

### ADVISOR

BOMBA-API  
[NextJS service](#)

Advising Joshua Macauley Bomba-API project.

[Macawls/Bomba-API: An api service for my game - Bomba \(github.com\)](#)

\*<https://github.com/macawls/bomba-api>

### MAINTAINER

LEARN-FAST  
[Documentation](#)

Documentation repository for people who want to get in-depth  
introductions to new technologies:

[Matthiasbrat/learn-fast \(github.com\)](#)

\*<https://github.com/Matthiasbrat/learn-fast>

## DEVELOPER

### DMSPROXY

Quarkus service

Migration of an API in java REST format from Springboot to Quarkus allowing to centralize invocations to the Valais/Wallis state's DMS OpenText system.

## DEVELOPER

### FIDCOM

Angular migration

Fully rewrote an AngularJS to Angular 16 application designed for Valais/Wallis state's fiduciaries, municipalities, and compensation funds.

## DEVELOPER

### CSI-DOCUMENTATION

Angular project

Wrote an Angular app to document the different reusable Angular components/libraries written by the cantonal IT department. The documentation presented some challenging features that I independently chose to implement:

- Auto indented, formatted code blocks and tags with optional tooltips.
- Fully customizable article generator with:
  - Dynamic TS/HTML component loader based on components.
  - TS/HTML source code UI toggle.
  - Global efficient search bar.
  - Customizable UI behavior for compiled and uncompiled code.



## TECHNICAL SKILLS

### PROGRAMMING: C#, C++ & .NET FRAMEWORK

 3 years

### PROGRAMMING: PHP/LARAVEL

 3 years

### OPERATIONS: ELK, CI/CD, OC4

 2 years

### AUTH: IAM

 2 years


### PROGRAMMING: TS/JS

 V8, reactive libraries and states

### MICRO-SERVICES: SPRINGBOOT, QUARKUS

 3 years

### HARDWARE: MICROCHIPS AND SERVERS

 setting up servers and understanding protocols

### DATABASE: MYSQL, POSTGRES, ACCESS

 4 years



## COMMUNICATION SKILLS

### ITALIAN

 A1

### DUTCH

 B2

### ENGLISH

 C2


### SPANISH

 A1

### GERMAN

 B2

### FRENCH

 native language