# MATTHIEU BORGOGNON
## SOFTWARE DEVELOPER @ CSE & CTO @ AT3FLO

## ◎ CONTACT

📍 Bandrain 12
CH-3232 Ins, Bern

📞 +41 (0) 76 822 39 48

✉ matthieu@borgognon.ch

🌐 https://matthieu.borgognon.ch

○ Github
matbgn

in Linkedin
borgognon

## 👤 ABOUT

I joined CSE IT Solutions AG as software developer in late 2020. Before that I worked for Techwan SA (public safety and emergency software) as software developer with a parallel training as fullstack developer (Ruby on Rails). I'm also the co-founder of At3flo, a small third place in the Seeland in Switzerland. After a Bachelor's degree in Micro- and Medicaltechnology at the Bern University of Applied Sciences, I worked for Breitling (watch industry), first as Industrialization engineer, then 2 years as a team leader certified Scrum Master.

## 💼 WORK EXPERIENCE

### Software Developer & Project Manager ⁖ CSE IT Solutions AG
🌐 http://www.cse.ch/
November 2020 – Present

• Developing software solutions for schools, daycare centers and preschool cares. Use in particular the following stack:
• Java with Struts Framework
• Angular(2+) Framework
• Typescript (JS), HTML5, CSS3
• Python with Django Framework
• Firebird database

### Software Developer ⁖ Techwan S.A. (an Everbridge Company)
🌐 https://www.techwan.com/
November 2018 – October 2020

• Software development in the field of crisis management systems for civil protection services (ambulances, police, armed forces). Use in particular the following stack:
• Angular(2+) Framework
• Typescript (Javascript)
• Material design, HTML5, CSS3
• C# services for front-end & database interaction
• Microsoft SQL Server & PostgreSQL database

### Co-founder & CTO ⁖ At3flo
🌐 http://www.at3flo.ch/
December 2015 – Present

• Technical manager of the Fabrication Laboratory (Fab Lab).
• Design and animation of workshops on digital manufacturing (3D modelling, 2D drawing, 5-axis CNC manufacturing, CO2 Laser cutting machine, vinyl cutting plotter).
• Development of digital projects (E-Learning training modules, websites, softwares, etc.).
• Engineering consulting, stock & park management, management of quotes and contacts with customers.

### Quality Control & Metrology Manager ⁖ Breitling Chronométrie SA
🌐 https://www.breitling.com/
January 2015 – March 2017

• Quality control manager (incoming components) of a ~10 person team.
• Application of Agile methodologies in watchmaking (Scrum and Kanban).
• Implementation of a server for collaborative knowledge management (wiki type) and bug ticketing system for metrology.
• Manager of the three-dimensional measuring machines.
• Supervision and expertise of an École polytechnique fédérale de Lausanne (EPFL) Master thesis: "Three-dimensional Measurement Optimization for Watch Parts".

### Industrialization engineer ⁖ Breitling Chronométrie SA
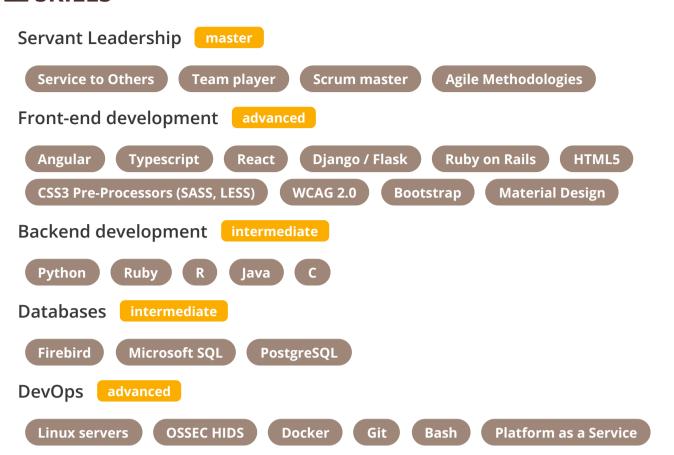🌐 https://www.breitling.com/
July 2012 – December 2014

• Development & project management of automated machines.
• Software programming (C, JAVA, R, VB, EIP Assembler): 3D measuring machines post-processing, CNC Human Machine Interface, uControllers, etc.
• Electronic design (machine safety, on-board lighting, engine control, etc.).
• Production assistance for process improvement, troubleshooting and set-up (mechanical, electronic and IT).
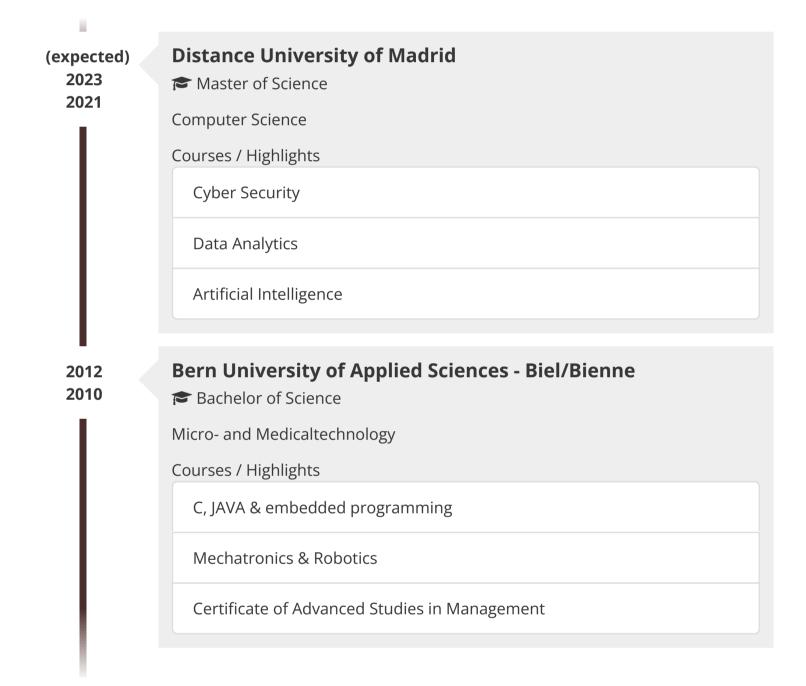• Flow analysis, manufacturing time and costs - ROI.

## 📖 LANGUAGES

| Language | Proficiency |
| --- | --- |
| French | Native or bilingual proficiency |
| German (spoken & written) UE : C1 | Complete professional proficiency |
| English (spoken & written) UE : B2 | Complete professional proficiency |
| Spanish (spoken) UE : A2 | Limited professional competence |

## ☷ SKILLS

**Servant Leadership** `master`

Service to Others  Team player  Scrum master  Agile Methodologies

**Front-end development** `advanced`

Angular  Typescript  React  Django / Flask  Ruby on Rails  HTML5
CSS3 Pre-Processors (SASS, LESS)  WCAG 2.0  Bootstrap  Material Design

**Backend development** `intermediate`

Python  Ruby  R  Java  C

**Databases** `intermediate`

Firebird  Microsoft SQL  PostgreSQL

**DevOps** `advanced`

Linux servers  OSSEC HIDS  Docker  Git  Bash  Platform as a Service

## 🏛 EDUCATION

### (expected) 2023 – 2021 — Distance University of Madrid
🎓 Master of Science

Computer Science

Courses / Highlights

- Cyber Security
- Data Analytics
- Artificial Intelligence

### 2012 – 2010 — Bern University of Applied Sciences - Biel/Bienne
🎓 Bachelor of Science

Micro- and Medicaltechnology

Courses / Highlights

- C, JAVA & embedded programming
- Mechatronics & Robotics
- Certificate of Advanced Studies in Management

## ⚙ CERTIFICATIONS

### 2020 – 2019 — Académie de Meuron (School of Visual Arts - Neuchâtel)
🎓 Certification

Graphic design

### 2019 — Le Wagon - Lausanne
🎓 Certification

FullStack developer Ruby on Rails

Courses / Highlights

- SQL, CRUD, Schema design, ORM (ActiveRecord)
- JavaScript ES6, HTML5, CSS3, Bootstrap 4

### Present – 2016 — Federal Office for Sports Magglingen
🎓 Certification (CH090106-M1-AKV-293 n° 946)

FSEA / SVEB Certificate Adult Trainer and Practice Trainer

### Present – 2016 — Scrum.org (Pyxis Technologies inc. - Lausanne)
🎓 Certification (163111)

Professional Scrum Master I