

# Mathias Blanc

SOFTWARE ENGINEER · FULL STACK DEVELOPER

Chemin des Bois 9C, 1896 Vouvry

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## Education

### Haute école d'ingénieurs et de gestion du Canton de Vaud (HEIG-VD)

Yverdon-les-Bains

BACHELOR OF SCIENCE HES-SO IN COMPUTER SCIENCE WITH SPECIALIZATION IN SOFTWARE DEVELOPMENT

2012

### Bobst SA

Prilly

APPRENTICESHIP IN COMPUTER SCIENCE / INTEGRATED FEDERAL MATURITY

2007

### Cibola High School

Yuma, AZ, USA

ONE YEAR STAY ABROAD

2001

## Continuing education

2020 **Kafka**, Introduction to Kafka, architecture, modelization and streaming

Ambient-IT

2020 **Flutter & Dart**, Mobile development with Flutter and introduction to the Dart language

Ambient-IT

2019 **DevOps**, Concepts and continuous integration with Gitlab

Retengr

2018 **Docker & Kubernetes**, Introduction to Docker and Kubernetes

camptocamp

2018 **Angular V6**, Introduction course

Retengr

## Technical skills

<b>Languages</b>	Java 8/11, C99, SQL/tSQL, Javascript/Typescript, HTML, CSS, Dart
<b>Frameworks &amp; libraries</b>	SpringBoot (web, security, batch, AOP, JPA), J2EE, Angular 6/11, Flutter, Angular Material, JavaFX
<b>Databases</b>	MariaDB, PostgreSQL, MSSQL
<b>Testing</b>	JUnit, Mockito, Hamcrest, Jasmine
<b>Tools</b>	Maven, NPM, Git/GitLab, Jira, Kibana, Docker, Microk8s, IntelliJ, VSCode
<b>Misc</b>	Scrum, JWT, Linux, Windows

## Experience

### ECA Vaud

Pully

SAE SOFTWARE DEVELOPER

June 2018 - Present

- Analysis and development of a web platform for intervention reports dedicated to the fire department of the canton of Vaud. The application aggregates the data generated by the decision support system (118 center) and provides a web interface allowing the completion of pre-filled data. Business requirements gathering, presentation and defense of the product to the General Staff of the firefighters of canton of Vaud. Front-end, back-end and third-party services development. (Java 11, Spring boot, Angular 10, PostgreSQL, Docker, iText, Angular Material, JWT, LDAP)
- Analysis and development of solution allowing the follow-up of technical failures. The solution includes a web application and a mobile application. Front-end, back-end and mobile development. (Java 11, Spring boot, Angular 11, PostgreSQL, Microk8s, Angular Material, Flutter, Kibana, JWT, LDAP, ParsePlatform, Firebase).
- Maintenance and evolution of existing applications. Front-end and back-end development. (Java 8, J2EE, Payara, Angular 6/9, MariaDB)
- On-call service and technical support for the alarm center 118 in the canton of Vaud.

## Ingenico (Suisse) SA

SOFTWARE DEVELOPER

Granges-Paccots

March 2014 - May 2018

- Lead developer for the integration of the SiXml cash register protocol on Ingenico payment terminals. Participation in the development of the SiXml protocol in collaboration with SIX Group. The SiXml protocol is used to control and update a payment terminal from a cash register machine; it is deployed in particular on all payment terminals installed at the counters of the Swiss Post. (*C99 sur matériel embarqué, Ingenico Telium Tetra, XML*)
- Maintenance and evolution of the EP2 Service Center of Ingenico Switzerland. The EP2 standard specifies the communication standards for electronic funds transfers in Switzerland. Maintenance and development of the various services to which payment terminals connect regularly for system and configuration updates. Maintenance and development of the payment terminal configuration web application. Front-end and back-end development. (*Java 7, JSF, MSSQL, XML, JAXB*)
- Development of various internal cash register simulation tools. Java desktop development. Développement de divers outils internes de simulation de caisse enregistreuse. Développement Java desktop (*Java 8, JavaFX, JAXB, XML, SiXml*)

## Trianon SA

SOFTWARE DEVELOPER

Renens

January 2013 - January 2014

- Maintenance and development of SQL scripts for the configuration and deployment of Trianon's online HR platform (Employee Benefits Center). (*MSSQL, tSQL*)
- Development of automatic reports. (*Actuate, VB*)
- User support.

## Lotaris SA

QA AGENT

Yverdon-les-Bains

October 2009 - June 2012

- Manual tests, test writing and documentation.
- Part-time during my studies at HEIG-VD.

## Bobst SA

COMPUTER SCIENTIST

Mex

July 2007 - May 2008

- Development of CATIA V5 CAD plug-ins for the BOBST machine development office. (*VB, CATIA V5*)
- Fixed-term contract at the end of my apprenticeship.