Mathias **Blanc**

Software Engineer · Full stack developer

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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

Languages	Java 8/11, C99, SQL/tSQL, Javascript/Typscript, HTML, CSS, Dart
Frameworks & libraries	SpringBoot (web, security, batch, AOP, JPA), J2EE, Angular 6/11, Flutter, Angular Material, JavaFX
Databases	MariaDB, PostgreSQL, MSSQL
Testing	JUnit, Mockito, Hamcrest, Jasmine
Tools	Maven, NPM, Git/GitLab, Jira, Kibana, Docker, Microk8s, IntelliJ, VSCode
Misc	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 a technical failures follow-up application. 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

Granges-Paccots

SOFTWARE DEVELOPER

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 on embedded devices, 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. (*Java 8, JavaFX, JAXB, XML, SIXml*))

Trianon SA

Renens

SOFTWARE DEVELOPER

January 2013 - January 2014

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

Lotaris SA

Yverdon-les-Bains

QA AGENT

October 2009 - June 2012

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

Bobst SA

Mex

COMPUTER SCIENTIST

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.