

# EUROPEAN CURRICULUM VITAE FORMAT



## PERSONAL INFORMATION

Name **MARIO FORNAROLI**  
Date of birth **October 6<sup>th</sup>, 1984**  
Nationality **Italian**  
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## EDUCATION AND TRAINING

**Master and Bachelor Degree in Electronic and Telecommunications Engineering (110/110 cum Laude)**

2003 – 2009, University of Pavia, Italy

Master thesis on “Processing of Hyperspectral Remote Sensing data”

**Diploma in Information Technology**

1998 – 2003, Secondary school - I.T.I.S. A.Volta in Lodi, Italy

Specializations in Computer Science, Electronic and Telecommunications

## MY EXPERTISE

During my work experience I have developed various web applications, mainly working with the following technologies: Reactjs (both with React only and with Redux+Saga, now moving to React Hooks + Context API), Angular 2+ and AngularJS, plus obviously JQuery-html5-css3-js, (frontend side) and .Net technologies, such as Web API/Asp MVC - Entity Framework, Node.js + Express – Microsoft Sql server and MongoDB (backend side).

Starting from my web-developer background and using Cordova+Ionic technology, I had the opportunity to collaborate in mobile application development projects for my current employer. We used several Cordova pugins (sql-lite-storqge, digital signature, camera, file system, white-list, Notifications, etc...) managing online and offline services.

I realized and published myself (working as freelance contract)

*LibrairiePax* Android Application for Pax bookshop in Liege (Belgium).

In my first years I also developed Windows applications (mainly C# .Net with WPF), multi-platform applications (C++ Qt framework for Linux), often in the domain of cryptography and security, and I DLLs (C/C++ language) to communicate with external devices through API.

I enjoy a lot working with Microsoft Visual Studio! It is my favorite IDE. I also developed some project with Qt Creator and Borland/Embarcadero.

I am passionate about my job!

I constantly train myself, mainly through online courses the evening after the work.

ReactJS Angular 2+  
Redux/Hooks Node.js Web API  
.NET Web API ASP MVC  
.Angular Js Knockout Js  
HTML5 - CSS3 - JS  
MS SQL MongoDB

Cordova Ionic  
VS Code Material Design  
Gulp-Bower-Npm Azure

C# .NET jQuery  
Javascript [Cryptography](#)  
C++ C

VS Code Visual Studio  
Qt Creator Embarcadero

## WORK EXPERIENCE

February 2019 - Present (1 years)

### **Full Stack Web Developer**

Sysdata Spa – Bologna (Italy)

I've been working as full-stack developer at the client premises. I've been involved in several projects mainly working with the following technologies: FRONTEND: Angular 8 and Reactjs (both with React only and with Redux+Saga, now willing to move to React Hooks + Context API), BACKEND: Node.js (Express and MongoDB).

I do daily use (or used in previous projects) various other tool such as automated task-runners, framework to document and test API's, versioning tool, etc.. I designed and prototyped mobile and web app using Adobe XD.

April 2015 – January 2019 (4 years)

### **Full Stack Web Developer**

Gruppo Euris Spa – Bologna (Italy)

I've been working as web developer in different projects, mainly in assurance and logistic distribution domain. I've developed web application in form of Single Page Application and we mainly use the following stack: mainly HTML5-CSS-Javascript, AngularJS, Angular 2 and JQuery (client side) and .Net Web API, Asp .NET MVC, Entity Framework and SQL Server (server side).

March 2012 – April 2015 (3 years)

### **Software Developer**

STMicroelectronics – Brussels (Belgium)

I worked as developer in the software tool department. I developed web and desktop applications for internal and external customers, mainly in the domain of cryptography and security.

I mainly developed Windows applications in .Net and DLLs in C/C++. Some other smaller project I realized involved Delphi, and Python languages and Qt framework.

April 2011 – March 2012 (1 year)

### **IT Consultant – Banking solutions**

Callataÿ & Wouters – Brussels (Belgium)

Development and implementation of software to manage banking activities. I've developed mainly in Cobol and SQL and I've provided debugging activities of Java programs.

I've worked on client site (Crediti Agricole bank) as customer support engineer providing solutions for core-banking activities.

May 2009 – March 2011 (2 years)

### **ICT Consultant – Aerospace domain**

CALLISTO SPACE Ltd. Toulouse (France)

I've worked on a study of feasibility to investigate solutions for building a new ESA (European Space Agency) antennas ground station for future Deep Space missions. In the course of this study I developed two main software.

One to monitor and control various external devices using TCP/IP, Serial and USB connections (LabVIEW). The second is a simulator (C++) to coordinate the delays in antennas signals reception.

## LANGUAGES

### **Italian**

Mother Tongue

### **English**

Very Good

I have been working in a multicultural environment where English is the main common language for the last 5 years. During my academic period I took summer courses in English every year in UK, Ireland or Malta. Electronic and Telecommunication Consulting.

TRAININGS	<p><b>French</b></p> <p>Bilingual.</p> <p>I've been living in France and Belgium for the last 5 years. Moreover, having a French speaking wife, I speak French every day.</p>
	<p><b>Spanish</b></p> <p>Good.</p> <p>I spent 8 months in Spain attending the University of Extremadura participating to the ERASMUS project. DELE (Diploma de Español como Lengua Extranjera) Certificate awarded in 2009.</p>
	<p><b>Online Trainings</b></p> <p>I'm continuously training myself, mainly through online courses. I do it very often in the evening after the job. I am a big fan of Microsoft Virtual Academy and I am in the top 100 ranking of my country. That's where I mainly follow the online courses. Other websites I stay tuned with are Udemy and Coursera.</p>
	<p><b>C# Microsoft CERTIFIED</b></p> <p>Exam 70-483</p> <p>Date of achievement: 28/04/2015</p> <p>Brussels, Belgium</p> <p>(Egilia Belgium – C# Fundamental training to prepare the exam)</p>
	<p><b>ISTQB Certified Software Tester</b></p> <p>Brussels - March 2012</p>
PERSONAL SKILLS	<p>Throughout my education and work experience I have developed competencies in Information Technology, Telecommunications, Electronics, Mathematics, Physics and Programming Languages.</p> <p>I have carried out technical projects either alone or by working in team.</p> <p>I have learnt how important is to keep focused on the objectives. I trained myself to prioritise tasks, manage time effectively and to work well as part of a team.</p>
HOBBIES	<p>Reading novels, playing soccer and swimming.</p>