

**Name:** DEMONTE Jean-Baptiste  
Web Developer Senior, Chief Technology Officer

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**Education:**

2002-2005	Master degree in Engineering, Electronics and Computer Science Ecole nationale supérieure des Mines de Saint-Etienne, Gardanne
	- Working student in a RFID company
2001-2002	Bachelor's Degree in computer engineering Faculté de Saint-Jérôme, Marseille
1999-2001	Higher National Diploma in industrial IT Lycée Jean Lurcat, Martigues
	- Ranked 1st in a group of 24 students in my graduating class and 8th in the academy on 118.
1997-1998	French High School Diploma in sciences Lycée Paul Langevin, Martigues

**Skills:** *Management*

Direct management of a 20+ developers team.

*Web development*

JavaScript (oop), jQuery + plugins, AngularJS, Google Closure template, Grunt, Gulp.js, HTML 5, CSS 3, Stylus, Express.js, mobile WebApp with Cordova / Ionic.

PHP, Python.

Apache, Nginx, Node.js, Redis.

*Databases*

MySQL, MongoDB.

*Embedded C*

Access control terminal with 1.4Mb, extrem memory manipulations.

*EDI*

JetBrain (WebStorm, PHPStorm, PyCharm), Visual C++ - MFC, Delphi.

**Summary:** I graduated from a well grounded in the technical and professional world engineering school. I am now a highly skilled senior web developer with more than 7 years of experience with PHP and MySQL, more than 8 years of experience with JavaScript and jQuery and 4 years by creating jQuery plugins. I have been developing in Python for more than 2 years, and I have to admit that this is now one of my favorite languages.

I am an open source developer, I share jQuery plugins which are used on hundred of websites, it helps develop my skills and exchange with a lot of developers.

Improving my technical skills and meeting developers all around the world has always been my motivation force.

## **Employment Summary:**

**Jul. 2014-Feb. 2015      Let Network France      Python Developer, CTO**

*Thanks to a fundraising, the Let adventure has restarted on July 2014, with a reduced team. I took the responsibilities of the backend development to allow the IOS team to extend the iPhone application features.*

At first, I had to fix the production platform which was overwhelmed with the amount and complexity of data. I optimized and speed up several social algorithms.

Then, I developed different web services in python to provide new features on the IOS application:

- Providing HTML 5 games with scoring and friend ranking
- Mixed social services (badges...)
- Chat room, a kind of IRC with media support (powered by Python, MongoDB and Pubsub redis)

Besides, I deeply restructured the backend developments and unit tests, in order to massively reduce development time and avoid redundancy.

**Nov. 2013-Feb. 2015      Freelance Web Developer**

As freelance, I'm involved in several projects, primarily geared towards JavaScript, HTML 5 and CSS 3 technologies.

**July 2012-Nov. 2013      Let Network France      Web Developer Senior**

*Single web developer, I fully created the social network webapp and some server services. Let provides chats, media sharing, public wall...*

### **Projects:**

#### ***www.let.com***

Let.com is a Single Page Application based on Object Oriented JavaScript and Event Driven Programming. It's powered by a custom MVP library. CSS using Stylus and HTML templates using Google Closure Templates are built with an advanced GruntJS scripts.

#### ***Mediabox (Python)***

I developed the first version of the mediabox server which is used by the web, IOS and Android clients to upload and download all users' medias. It also supports media streaming. I fully covered its python code with unit tests.

**Sept. 2005-July 2012      Digitick SA      Web Developer, CTO**

*Lead of a team of 20 developers at the french e-ticketing leader, bought by Vivendi in 2011, with hundreds of large and renowned clients and more than 15 millions of tickets sold each year. Digitick had only one employee when I joined it, and was a single website powered by PHP /MySQL. I managed a myriad of short and long term projects and worked hard to get a platform which hosts hundreds of e-ticketing in white label, a solid access control solution and a back-office user-friendly and highly used by events organisers. During this experience, I also had increased significantly my debian skills, daily (nightly) working with the CIO on the production platform (MySQL replications, DB optimisations...).*

### **Projects:**

#### ***Access control solution***

Mixing PHP / MySQL and embedded C advanced bit manipulations, I developed the first 3 versions of the Digitick access control solution and managed the last one. Capable to download latest activities (sells, ticket uses...) in real time, this solution doesn't need to stop the spot or online sales during the events.

#### ***Ticketing spot***

I initially developed the ticketing spot to respond a call for tenders for the Eiffel Tower. It's a single page application, powered by PHP, MySQL, JavaScript and jQuery, which can handle various devices throughout Java applets such as printers, LCD monitor... It's now used in the Eiffel Tower entrances and in most other places.

### **Back-Office**

Digitick's back-office is a huge platform which allows events organisers to configure their sales, from the simple quota to the numbered seats of stadiums. It also provides CRM features, advanced documents generated using a visual editor in JavaScript, fine extracts, real time view of sales en entries from the access control. It's a 8 real years of code by many developers including I. I managed a huge part of these developments.

### **White label e-ticketing system**

The fifth version of this solution is powering e-ticketing such as the official one of the Eiffel tower (<http://ticket.toureiffel.fr>). This solution allows designers to provide a new white label e-ticketing in maximum 2 days focusing on its CSS.

**Sept. 2002-June 2005    Inside Secure    Developer**

*As a working student, 3 days in company / 3 days at school, I developed few test and bench solutions for RFID chips. It includes the software (mainly in Delphi) and some PCB design and build.*

### **Project:**

#### **ISO 15693 analyser**

The goal of this software was to acquires RFID frames and to check the exchanges before sending the chip to the ISO certification. It has to point the defaults in the responses.

### **Personal Projects:**

I'm very passionate about coding and I've worked on a series of open source projects as a hobby:

- gmap3 (<http://gmap3.net>) jQuery plugin to use Google Maps, used by hundreds of websites and followed by 465 people and forked 150 times on github
- barcode (<http://barcode-coder.com>) jQuery, Prototype and PHP library to create barcodes
- flow (<http://jb.demonte.fr/jquery/flow>) jQuery engine to create "coverflow"

### **Other:**

- Fireman from 1997 to 2003 in parallel of my studies
- Interests: Taekwondo, IT books and video conferences, open source projects
- <https://github.com/jbdemonte>