



**Stephane MASCARON**  
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Born April 22, 1970  
 Married, 2 children  
 Driving license  
 Personal car  
 ADSL 20 Mb/s (Teleworking)  
[Aquinet Association](#) Treasurer

## Freelancer Free software Architect

**R&D – Consultant – Teacher**

*22 years of professional experience – 30 years of programming experience*

### SKILLS

<b>Specialties :</b>	<b>Free Software Architect</b> , Designer - JavaScript/Json Apache Cordova & Node.js Developer (Framework <a href="#">OTF<sup>2</sup></a> ) Conceptor and Java Object Programming : JEE.
<b>Analyze Method :</b>	<b>Agile</b> : Scrum, Extreme Programming / <b>Oldest</b> : Merise and OMT /UML
<b>Programing language :</b>	<b>JavaScript</b> : JS Application, <b>XUL</b> , <b>JQuery</b> , <b>Socket.io</b> & <b>Node.js</b> <b>JAVA</b> and <b>JSP</b> / <b>Servlets (Tomcat)</b> / <b>Android</b> . Good notions on : SQL , PHP, C (gcc), Delphi.
<b>Development tools :</b>	<b>WebStorm</b> , Eclipse, <b>Atom</b> , Brackets, Squirrel SQL, iReport (jaspersoft).
<b>Operating system :</b>	<b>GNU/Linux</b> : Ubuntu, Debian (Administration) / <b>Windows</b> : User Only
<b>Databases :</b>	<b>MongoDB with Node.js (NoSQL)</b> , <b>Bases SQL and DB2/AS400/Bases</b> .
<b>Internet Languages :</b>	<b>HTML &amp; XHTML</b> , <b>JavaScript (client &amp; node.js)</b> , <b>OpenLayers</b> , <b>CSS</b> ,
<b>Others softwares:</b>	The Gimp, Inkscape, Scribus / Kino, Cinelerra, ManDVD, OpenStreet
<b>Map</b>	
<b>Hardware:</b>	Camera HD <b>Elphel</b> / Carte Arduino / Olimex ARM Card/ RaspberryPI

### PROFESSIONAL EXPERIENCES

**From 1<sup>st</sup> September 2015 to Now** : Freelancer and Free Software Architect : **SMaLL**

► **Author of a mobile application on Apache Cordova, Intel Crosswalk and “Node.js” as Application's Server.**

I designed technical architecture and implemented the prototype of an embedded Web software on Android Tablet for the ERDF's agents, and its Extranet with Node.js. WebSocket Socket.IO over OTF<sup>2</sup> Framework.

**From January 2013 to 30 May 2015** : Employee of french free software web company **Huile de Code**

► **J.E.I's technical document writer** : Huile de Code got J.E.I status from one of project of mine : OTF<sup>2</sup> Node.js Framework, it was Verified by computer's Scientist (Phd) of the LABRI.

► **Java/JEE Teatcher for SOPRA/STERIA's engineers** : I made 2 sessions en January 2014 and May 2015.

► **Designer and Co-author of Framework of “Node.js” named [OTF<sup>2</sup>](#) for real time web app.**

As part of a regional project, I designed the technical architecture of an embedded Web software on Android Tablet for the seniors, and its Extranet with Node.js. WebSocket Socket.IO, Apache Cordova, Intel Crosswalk.

► **Installation and implementation of the website server for Marsan Agglomeration running « Lutèce »**

Since December 2010 implementation of the websites : Institutional (<http://www.lemarsan.fr>)

► **Designer et Co-author of Framework J2EE, SMaLL**

Finite-state machine model framework originally developed in 2001 for INEO-SUEZ's buying catalog.

► **Improved video conferencing system based on free software, through the use of HD.**

(Compilation of Linphone 3.2.2, integration of plugin x264, Compilation of module V4l2loopback C / C++)

**From September 2005 to October 2010** : Free Software Architect at **Landes Mutualité (Employee)**

► **Company-trained engineer November 19, 2009.**

► **Development for the IT subsidiary of Landes Mutualité (CPSPi):**

- Implementation, installation and configuration of the system Lutèce (Internet portal) for the Mayor of Mont de Marsan (<http://www.montdemarsan.fr> et <http://regiefetes.montdemarsan.fr>)
- Conducting studies and definition of technical architectures for customers CPSPi.

► **Since late 2007 to July 2008 :**

- **Standing Technology Watch for the free video conferencing, geolocation,**
- **Vice President of the 9th World Meetings of Free Software in Mont-de-Marsan**
  - Approaches to the institutional contacts with the press and press conference, research partners to film conferences (Elphel cameras, the same that google street view).

► **2007 : Starting the migration project of all user workstations to Linux Ubuntu (Production start in June 2007):**

- Study of existing needs and the training needs of staff by category
- Creating an image type with free software "Partimage" for the mass installation.
- Adaptation of tools in each case based on the user profile.
- At the end, June 2008, 225 users are under GNU/Linux on their computers

► **end 2006/2007: Technology Intelligence and peer programming of a CRM application (GRAM)**

- Technology-based "XUL" Mozilla for creating quotes and contracts "Landes Mutualité", and connected to the small J2EE Framework for accessing databases.
- Creating a Java component in an AS400, allowing the interconnection between the AS400 and J2EE application servers.

► **2006: Maintenance and improvement of Java applications:**

- Extranet Health Professionals for the paying client in a J2EE / JONAS environment. (3000 users throughout France)
- Direct mail based application OpenOffice Mode Server (UNO API).

► **end 2005/2006: Creation of a corporate Intranet and Internet site with SPIP.**

**May 2002 to June 2005 - Status: Project Manager Intranet Java / XML Adour Gestion Informatique (employee)**

► **Implementation of Open Source Tools for J2EE development, application in Eclipse Rich Client on the Permanent technological watch and CPR.**

► **Design and development of an Extranet for healthcare professionals for mutual "Landes Mutualité".**

► **Design and development of an innovative Web tool called E-Learning AGI IT.**

► **Design of an Intranet for INEO, a subsidiary of SUEZ (Java J2EE).**

**June 1995 to April 2002 - Status: Freelance - Trainer eight years (registered organization)**

► **Training continues realization and development assistance on languages to Objects:**

- Trainer and Consultant JAVA all levels (CNRS Toulouse, Matra Marconi Space, CARSO Toulouse ...)
- Trainer and Consultant DELPHI (initiation, component, TCP / IP)

**April 2001-April 2002:**

► **Internet consulting and Internet development / Intranet (parallel training)**

Adour Gestion Informatique (AGI) services company (turnover of € 3 million); DDJS (Youth and Sports Landes dept.); School Inspectorate of the Landes; Landes General Council (Technical Advisor); France Telecom Agence Landes.

► **Course supports:**

- On Java (sun): Introduction to Programming / Advanced (TCP-IP, RMI, J2EE ...)

**July 1994 to May 1995 - Status: Independent Computer**

Trainer / Writing Course supports / equipment and software installer for the company CCMX on the transport MORY Computerization Project (Project 40 million francs).

**CONTINUING EDUCATION - Status: Independent Computer scientist**

I followed an OMT / UML training organized by the company in Toulouse Twam

I followed the courses Introduction to Java and JavaBeans Programming SUN Training in 1997.

**SCHOOL EDUCATION October 1989 to June 1992 - Status: Student**

University Institute of Technology (Talence 33) Department. Computing (level DUT).

Baccalauréat C Mathematics / Physics (Mont-de-Marsan 40).

**Leisure: Co-founder of Aquinetic Center of competences Member of the Steering Committee Strategic & Scientific / Cinema / Contributor on OpenStreetMap Project / Swimming / Mountain**