

# Martin Richard

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I speak English (TOEIC score 970/990),  
French (native language) a bit of Italian and German

## ✓ Objective

I like to design and implement systems related somehow to the web, at various levels of the stack. My long term goal is to be part of a team working on innovative, highly technical and widely used projects.

## 🏆 Notable

**Chief technology officer** of Tumbup, the company behind Mixotv, a modern TV guide empowering your social graph to recommend you the best of your TV. I manage and lead development and hosting of the product.

**Developer** of several personal projects, such as a documentation parser library for PHP 5, a prototype of a non-blocking HTTP server under GNU/Linux in C++, an online multiplayer “pong” in Javascript (Canvas, node.js) and a lightweight ODM in Python for Mongoddb.

**Writer** of tutorials, courses and articles about web programming on [isbullsh.it](http://isbullsh.it) and French magazines (PHP Solutions, Journal du Net) since 2007.

## ⚡ Highlighted skills

- Excellent knowledge of **server-side web development** technologies, such as MVC frameworks in PHP or Python, relational databases, SQL, distributed and asynchronous messaging, performance and scalability,
- Really good knowledge of **Javascript**, HTML5 and CSS3, **cross-browsers code** and accessibility best practices,
- Experienced system administrator under GNU/Linux (**dedicated hosting**, **AWS cloud**), familiar with services such as **PostgreSQL**, Apache, Nginx, PHP, Bind, interested in modern **virtualization** techniques (lxc, docker),
- Good level in low-level programming on **GNU/Linux** in **C** and **C++** with the **Linux C API** and shell scripting,
- Average knowledge of Objective-C/C++ with the frameworks **Cocoa** and **UIKit** for iOS,
- Experiences with Node.js, Latex, XSLT, Prolog, Android SDK, Windows APIs and concurrent programming.
- **I am keen on learning** new languages and paradigms, and interested in the **management of technical teams**, agile methods and efficient software engineering processes. Experienced git user.
- Expert, ●● Good skills, ● Padawan

## 🔧 Work Experience

**Chief technology officer at Tumbup** since April 2012

I manage and lead the development Mixotv, a web-based application. Current challenges are architecture and scalability of the product, enhancement of our data-mining components (recommendation engine, usage analytics).

**Research and Development engineer (internship) at CommonIT** during 4 months in 2011

I worked on a remote desktop application for iPad, which supports touch events, keyboard interaction and allows to watch a Flash animation without significant lag. It has been developed using an experimental port of Qt for iOS.

**PHP engineer (internship) at SQLI Lyon** during 3 months in 2010

Trained at Magento e-commerce, CMMI processes, I worked on the on-line store of a famous sportswear company.

**Developer (internship) at Le2i laboratory (public research)** during 2 months in 2009

I wrote a C program used to parse RDF semantic graphs in order to use them with graph processing tools.

**Freelance work** since 2007

Various short-term missions on e-commerce, specific extranet tools and servers administration for small businesses.

## 🎓 Education and Training

**Insa de Lyon** – IT department, French top-tier school (“Grande école d’ingénieurs”)

Graduated of **Master Of Engineering** Degree in 2012

DUT Informatique – IUT de Dijon - 2 years diploma

## 🍷 Other activities

I am interested in web design, start-ups and entrepreneurship, open-source and politics.

I love cinema, listening to Rock and Electro Music, playing video-games and more!