

Christophe Maillard

London, UK
+44 7397 309878
christophe.maillard@rocketmail.com
<http://christophe-maillard.com>

I'm a pianist on an AZERTY keyboard.

I'm a french musician. I studied music theory, cello and piano many years at the Conservatoire de Musique de Poitiers. Even though playing in the Jeune Orchestre Symphonique de Poitiers some years was a really great experience, I mostly left the cello out. Today, I play the piano in various bands, from jazz standards to hip-hop and ska. I love the piano: it's hard to make it look easy to play. I fully agree with Henry Wadsworth Longfellow: music is the universal language of mankind.

*My other passion is **software craftsmanship**. I love making JavaScript clients consuming **RESTful hypertext-driven APIs** produced by Java or JavaScript servers. I'm trying to follow Robert Cecil Martin recommendations to write **clean code**. I'm fond of human-readable and homogeneous code, where each choice can be justified: from the names of variables to the uses of frameworks. I don't reinvent square wheels, and enjoy digging into COTS sources to understand the magic.*

*In french, a software craftsman translates into un artisan logiciel, and artisan literally means one who puts his art to serve others. Just like music, I like thinking of coding as **an art**.*

InnovativeSolution christopheMaillard(TechnicalChallenge);

Technical Skills

Likes: web, rest, java, spring, javascript, node.js, angularjs

Experience

Software Engineer for Orlando – Infotel Conseil *October 2015 – September 2016*
java, spring, mongodb, elasticsearch, node.js, angularjs, websocket, rest, osgi, agile, git, aspectj, jms, ionic-framework

Orlando (orlandotechpubs.com) is a product built by Infotel Conseil, that helps storing, editing, publishing and viewing technical documentations in different standards (ATA, S1000D, etc.). I worked in a 30-person team.

I particularly helped **modularizing** the frontend (AngularJS) and making the API (Spring MVC) fully respect the **REST constraints**. As I'm developing personal projects alongside, I could also greatly participate into the design of the **database** (MongoDB) and the development of the **mobile application** (Ionic Framework).

This was a very exciting experience, as we built the product from scratch with modern technologies.

Software Engineer for Airbus – Infotel Conseil *August 2012 – September 2015*
java, jsf, spring, hibernate, oracle, richfaces, aspectj, jms, svn

I started as a software engineer for the web applications companies have access to through an online portal when they buy planes from Airbus. I worked in a 5-person team that was in charge of the maintenance of 5 projects (production support and new versions), mainly around JSF, Spring, Hibernate and Oracle.

I quickly became a key-resource and a **technical referent**, as I analyzed new requirements, estimated costs, wrote functional specifications and technical communication documents, designed data models and architectures, wrote and ran tests, and trained new developers.

This has been very educative, especially in the areas that go along with these projects, such as the **quality processes** (ISO 9001), the deliveries constraints and more generally, the **projects life cycles**.

Education

Software Engineer – Polytech Nantes (Nantes, France)

2009 – 2012

java, c, c++, ocaml, prolog, oracle, sql, design-patterns

As a software engineer for Infotel Conseil (infotel.com, 5-month internship in Nantes, France), I developed a tool to manage pre-sales phases of Infotel Conseil projects. I wrote the functional specifications, partially designed the data model and architecture, developed, wrote and ran tests. I mainly used `Java`, `JSP`, `JSTL`, `Spring`, `Spring MVC`, `Hibernate`, `MySQL`, `HTML5` and `CSS3`.

As a software engineer for VM Matériaux (vm-materiaux.fr, 6-month study project in Nantes, France), I compared supervised learning performances and classification/regression results between `KXEN` and `Google Prediction`. I mainly used `Java`, `supervised learning`, `classification`, `regression`, `KXEN` and `Google Prediction`.

As a software engineer for Devant La Télé (devantlatele.com, 6-month study project in Nantes, France), I designed and implemented a recommender system. I mainly used `PHP`, `matrix factorization`, `PLSA algorithm`, `LDA algorithm` and `clustering`.

As a researcher for LPIS (lpis.csd.auth.gr, 3-month internship in Thessaloniki, Greece), I created a monitoring tool to manage e-reputation through RSS feeds, forums, search engines results, etc. I mainly used `Java`, `JSP`, `JSTL`, `jsoup`, `HTML`, `CSS`, `ORM`, `Google Custom Search API` and `Google Reader API`.

As a developer for IdéSYS (idesys.org, 5-month contract in Nantes, France), for Pause KF, I implemented an e-commerce section for professional customers using the 1&1 e-commerce solution, and redesigned the individual customers section. I mainly used `HTML`, `CSS` and `Adobe Flash`.

As a developer for ODENTI (odenti.com, 2-month contract in Poitiers, France), I developed showcase and e-commerce websites for companies or associations, and worked on their natural referencing. I mainly used `PHP`, `Zend`, `Doctrine`, `ActionScript`, `Adobe Flash`, `Adobe Photoshop`, `MySQL`, `HTML`, `CSS` and `SEO`.

DUT SRC – IUT Angoulême

2007 – 2009

php, html, css, mysql, javascript

Multidisciplinary formation: communications, advertising, cinema, photography, image, web development, video games, networks, etc.

Projects & Interests

GitHub - jrestful-server – <https://github.com/jrestful/server>

April 2015 - June 2016

rest, java, spring, mongodb, phantomjs

Helps you building a RESTful API with Java and Spring

Martin Fowler explains that, *to build a framework by harvesting, you start by not trying to build a framework, but by building an application*. This is exactly what happened: as I develop many personal projects, I **factor duplication** into `jrestful`.

The purpose is to provide an out-of-the-box solution that helps producing a RESTful API, based on the `Spring` stack.

I pushed it on GitHub in case it interests other developers, but I'm probably the only one capable of using it as is, as it desperately lacks a detailed documentation... This must be my next move!

Barz – <http://barz.cool/>

cordova, ionic-framework, google-maps-api-3, yelp

Geolocates bars all around you

I'm still convinced by this idea: an application that geolocates bars all around you, depending on what you want to drink, what kind of establishments you like, etc.

Barz is actually fully operational, but I meet some technical issues though, especially concerning the caching algorithm (for now, Yelp API is reached everytime the map bounds change)... I'll continue as soon as I have some time!

Piwin – <https://play.google.com/store/apps/details?id=io.piwin.client>

jrestful, rest, java, spring, cordova, ionic-framework, openshift

Lottery-like game on mobile devices

The real initial purpose of Piwin was to educate myself on the `Ionic Framework`.

Follow Me Out – <http://www.followmeout.com/>

jrestful, rest, java, spring, angularjs, mongodb, bootstrap, openshift

Starting a blog for the outdoor community

The real initial purpose of Follow Me Out was to educate myself on `MongoDB`.

Viddigger – <http://www.viddigger.com/>

java, spring, angularjs, hibernate-search, mysql, openshift

Developing a tool to bookmark your favorite videos online

The real initial purpose of Viddigger was to educate myself on `AngularJS`.

GitHub - jrestful-client – <https://github.com/jrestful/client>

April 2015 - May 2016

javascript, angularjs, ionic-framework, rest

Helps you consuming a RESTful API with AngularJS

The client-side of `jrestful` that helps consuming a RESTful API thanks to `AngularJS`.

Writing

REST over HTTP – <http://stackoverflow.com/documentation/rest/1664/introduction-to-rest/20145/rest-over-http>

I made my best to explain REST over HTTP in a detailed but exhaustive way, so that the constraints can be better applied right away in real-world projects.

Background

French, good level in English (TOEIC: 875/1000), German mother, novice in Chinese and Spanish.