Xavier Maso
fullstack developer

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Skills

Software development

Languages

Ruby	Javascript	PHP	Latex	C#	Python	Java
★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★

Bash	C	ASM x86	Scheme
★★★★★	★★★★★	★★★★★	★★★★★

Libraries / frameworks

Ruby-On-Rails │ ExpressJS │ Angular │ SailsJS │ Pygame │ XNA │ Zend │ jQuery │ CodeIgniter

Systems administration

· Ubuntu, Linux Mint and Windows8 user.
· Accustomed to use and manage Debian based systems : Raspbian, Ubuntu desktop and server, Debian.
· Nginx reverse proxy and / or load-balancer, Unicorn, Apache2 and Express (Node.js) web-servers.
· Oracle and SQLServer at school ; MySQL, PostgreSQL, Redis and MongoDB experienced and used in projects.
· Source code version control system : some SVN and much Git. Automated deployment solutions : using Git hooks and scripts, or a dedicated tool called Capistrano.

Management

· Team management : implement the environment which allow to develop the products and achieve goals.
· Used to Agile methods, especially Scrum. Pair programming and TDD practice.
· Speaker : animation and presentation about a product or a project.
· Interpersonal : listening and understanding individuals to facilitate interactions within a group.
· Marketing : around and through a product and / or company to communicate values.

Professional experience

Aura Information Security   *January 2015 – Today*
Aura RedShield Developer   *Wellington, New Zealand*

Development in Ruby and Javascript.

CER SNCF   *June 2012 – Oct 2014*
IT service   *Bordeaux, Aquitaine, France*

Distributed all over the Aquitaine, France and Poitou Charentes french regions, the CER (for Committee of Regionnal Establishment) provides services to SNCF's workers.

First missions

· Web development in PHP with the Zend framework.
· Production environment management: Nginx front-end with FCGI, PostgreSQL production database.
· Team work with Git and automated deployment on top of this VCS tool.

· Adaptation of our tool for another CER: needs analysis, objectives definition, integration to our development and deployment processes and tools.

Project, subject of my master thesis

· Management of a project to build a website dedicated to SNCF's employees: tasks and planning definition, resources and skills affectations to provide this new service in six month with a two humans team.
· The application can be found at http://cheminot.cer-sncf-bx.org .
· Needs of integration within the existing information system: databases shared with other services, web server organization.
· Communication and product launching: define and reach targets, follow the adoption and usage of the product.
· Back-end powered with Ruby-On-Rails. Front-end development with Slim, SASS and CoffeeScript templating languages.
· Quality management by software testing using Rspec and Capybara.
· System and database administration: Ubuntu 14.04 production server, Nginx and Unicorn to serve the application, Git and Capistrano for automated deployment tasks.

Others

· Information system maintenance: Zimbra mail, Windows2008 domain, Debian web servers.
· Users assistance, IT park maintenance.
· IT service management: needs analysis and tasks definition, listing of skills and resources available to prioritize our work.
· Recruitment of IT service members: needs analysis, tasks and required skills definition. Participation in job interviews.

Cabinet P.PI/4   *Summer 2011*
Web developer summer internship   *Bordeaux, Aquitaine, France*

· Web development in PHP with the CodeIgniter framework.
· Seven students team organized with the Scrum method.
· Interviews with client for needs analysis.

Education

Ingésup, Bordeaux (www.ingesup.com)   *2009 – 2014*

Graduated : Informations System's Expert, development section
Five year of university studies in computer information technologies
Member of security laboratory : research and learning about exploitation and penetration testing
Member of games laboratory : participation in video game development contests

MOOC, France université numérique   *2014*

From manager to leader (website)

Lycée La Boétie, Academy of Bordeaux   *2005 – 2009*

French Baccalauréat in Sciences, with honors
Specialty in Mathematics

Projects and competitions

LibraryBox   *December 2014 – Today*
web development, association

Development of a clear an good looking web interface for LibraryBoxes.

- Web development, front-end using AngularJS, Bower for libraries management and Gulp as build system.
- Available on Github : github.com/Labx/LibraryBox-app .

CarrotMob France
web development, positive change

June 2014 – September 2014

Carrotmob France is a French non profit association organizing buycotts events to reward business's commitment to making socially responsible changes to the business.
- Causes : social, economic and environmental positives changes.
- About ten persons organized for remote work and Scrum method using Trello, Hangout, Skype and Github.
- Web development, front and back-end using SailsJS, Bower, Jade and Grunt tasks.

Personal dedicated server
server administration

2014 – Today

Co-owner of a dedicated server, used to manage personal services such as Owncloud, Selfoss, Etherpad, Wallabag and websites.
- Configuration : Nginx reverse proxy for several web-servers.
- Server securisation : users authentication, services rights and responsibility.
- Private Git repositories management.

Hackaton OpenData
web development, management, entrepreneurship

2013

In response to the call for proposals done by Gironde communities (AEC, CUB and CG33), some volunteers regrouped to establish a web service which Gironde's citizens could use to search and find places to throw their waste.
- Self organized seven persons team.
- Application developed with AngularJS and served by Ruby.
- Proof of concept available at : http://wheredrop.eu01.aws.af.cm/#/ .

StartUp WeekEnd
entrepreneurship, communication

March 2013
Toulouse, Midi-Pyrénées

Project idea to create an ultra-portable home console. Market analysis, identification of customers, product design, marketing, fundraising, etc. Presentation of the project in front of a jury and public.

Imagine Cup
games development, management

2011 and 2013

Participation at the Imagine Cup competition organized by Microsoft. With a four students team, we developed video games with Silverlight and XNA around the themes of hunger in the world and the overproduction of waste in about four to five months. World Top 13 with Team Rocket team in 2011.

BeMyApp event
mobile development, team management, entrepreneurship

November 2012
Marseille, Provence-Alpes-Côte d'Azur

First prize awarded in Gironde about a competition of mobile application development in 48 hours with the following constraint: use open data to highlight tourism of our country. Organizing a team of six people, development and finally presentation of the project in front of a jury and public.

Hobbies

Reading	Challenges	Sports
popular science	security and development :	muay thai, diver (PADI OpenWater)
sociological and political essays	root-me, w3challs, codeschool	ex judoka, football and handball player