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, self-hosted Raspbian server at home and co-owner of a dedicated server on the cloud running on Ubuntu 14.04 .
· Nginx as reverse proxy and / or load-balancer in front, with Unicorn, Apache2 and Express (Node.js) as web-servers.
· Oracle and SQLServer at school ; MySQL, PostgreSQL, Redis and MongoDB experienced.
· 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.

Education

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

Informations System's Expert, development section
Five year of university studies in informations systems
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

Professional experience

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

Distributed all over the Aquitaine 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.
· Needs of integration within the existing integration system : databases communication, 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, PostgreSQL, 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*

· Web development in PHP with the CodeIgniter framework.
· The team was organized with the Scrum method.

Intermarché *2008 – 2012*
Student part-time job *Saint Médard en Jalles, Aquitaine*

Projects and competitions

CarrotMob France *2014 – today*
web development, positive change

· 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.
· Organized for remote work and by Scrum method using Trello, Hangout, Skype and Github.
· Web development, front and back-end using SailsJS, Bower, Jade and Grunt tasks.

Dedicated server
server administration

2014 – today

· Co-owner of a dedicated server on the cloud, used to manage personal services such as Owncloud, Selfoss, Etherpad or Wallabag and websites.
· Configuration : Nginx reverse proxy for Apache2 and ExpressJS web-servers.
· Server securisation : users authentication, services rights and responsibility.
· Private Git repositories management.

Hackaton OpenData
web development, management

2013

In response to the call for proposals done by Gironde communities (AEC, CUB and CG33), we regrouped with some volunteers to establish a web service which Gironde's citizens could use to search and find places to throw their waste. We developed or solution with Ruby and AngularJS.

StartUp WeekEnd
entrepreneurship

March 2013
Toulouse, Midi-Pyrénées

Project idea to create an ultra-portable home console. Market analysis, identification of buyers, product design, image, costing, 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. We developed video games with Silverlight and XNA around the themes of hunger in the world and the overproduction of waste. World Top 13 with Team Rocket team in 2011.

BeMyApp event
mobile development, team management

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 highlighting 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
· popular science
· sociological and political essays
· science fiction

Challenges and courses
· security and development : root-me, w3challs, codeschool
· mathematics : brilliant

Sports
· currently boxer, diver (PADI OpenWater)
· ex judoka, football and handball player