< Pablo Molina/>

Personal information

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Summary

I am a passionate developer who always aims for getting more knowledge, besides one of those who consider programming both a job and a hobby. As **GNU/Linux** enthusiast and **Raspberry Pi** owner, I like expetimenting with cutting edge technologies, and I am never afraid of starting a project from scratch.

While I am producing code every detail is important: I like keeping my source code beautiful and easy to read, and I learn and apply **design patterns** and **software development processes** as often as I can.

I love programming languages that force a concrete style: like **Python**, **Ruby** and **CoffeeScript**. The last one is my favourite one, but always understanding which is the final **JavaScript** that is going to be used.

Technical profile

JavaScript

- Use of NodeJS for server side development (**Yeoman**, **Gulp**, **Grunt**, **PhantomJS**, **Electron**, **Browsersync**)
- Deep understanding of **jQuery**, **jQuery UI** and when you should/shouldn't use them, as other utility libraries like **Underscore** or **Lodash**
- Usage of multiple UI Frameworks like **Bootstrap**, **Skeleton** and **Materialize**
- Usage of MVC Frameworks for development: **AngularJS**, **Backbone.js**, **Backbone.Marionette**
- Creation of interfaces with plain CSS
- Deep undestanding of the **HTML**-**CSS**-**Javascript** separation
- Development with **CSS** preprocessors (**LESS**, **SASS**)
- Creation of **web components** undestanding the **Shadow DOM** and how it should be used
- Unit testing with **Mocha**

Versioning

- **Git** (including colaboration with other developers)
- Usage of **Github** and **Gitlab**

Edition

- IDEs: **cloud9**, **Netbeans**, **Eclipse** (and Aptana), **Webstorm** (and other IntelliJ based IDEs)
- Editors: **Sublime Text**, **Atom**, **VIM**, **Notepad++**, **nano**
- Graphic design: **Blender**, **GIMP**, **Inkscape**, **Pencil**

Operating Systems

- **Mac OS X**
- **Windows 98/XP/7/8/10**
- **Ubuntu** (and lots of it's flavours), **Archlinux**, **CentOS**, **Debian**, **OpenSuse**, **Asterisk** y muchos otros

Server

- Setup of **Jenkins** with **Gitlab** for **Continuous Integration**
- Virtual Machine Generation using **Vagrant** and **Ansible**
- **Django** and **Codeigniter** for server development
- **Oracle** and **MySQL** database administration
- **Wordpress** setup and theme creation
- Setup of **CentOS** server with load balancer using **piranha**
- Creation of a **VoIP server** using **Asterisk** inside a **Raspberry Pi**

Education

BSc Computer Science Engineering at University of Jaen (Spain) (2:1)

- **Metaheuristics** (90%)
- **Multimedia Systems** (91%)
- **Web Based Technologies** (98%)
- **Multimedia Application Protocols** (90%)
- **Semantic Web** (91%)
- Currently developing my final degree project

Extra education

- Attendance to **JavaScript Meetups** in London
- Complete **Git** course at KeepCoding
- Multiple courses and books for **web development** (*Oreily's Books*, *CSS Secrets*, *Codeschools' courses*...)

Experience

Researcher Intern at Fujitsu Laboratories of Europe

- **Term**: September 2015 - Currently
- **Place**: Fujitsu Laboratories of Europe (Hayes, Middlesex, London)
- **Python** software development, testing with **Nosetest** and dependency management with **Setuptools**
- Creation of server using **Flask**
- **Java** software development, testing and dependency management with **Maven**
- Development using **Semantic Web** related technologies
- Investigation about **Spark**

Developer with Talentum Internship at Telefonica

- **Term**: June - September 2015
- **Place**: University of Jaen
- Creation of an Interactive Video CV Platform using **Django** and **JavaScript**
- Interaction with **XING API**
- Server-side administration using **Django**
- Webapp generation using **Grunt**
- **CoffeeScript** for full interface interface development
- **Bootstrap** and **Bootstrap** theme with **LESS** for interface creation
- **Project demo**: youtu.be/RBUBib8IlR8

Activities

Backbone.js

- HTML5 Music Player:

  - Creation of *Models* and *Views* with *custom events*
  - Managing for **DOM Audio Element** with JavaScript
  - Extra functionality: calculate the average color of a image using **DOM Canvas Element**
  - Source code: github.com/p2kmgcl/mvc_html5player
  - Demo: pablomolina.me/mvc_html5player/app

- Point of Sale Terminal touch-screen friendly application:

  - Designing of interfaces using **GIMP** and **Inkscape**
  - Use of **jQuery UI** for creating **drag & drop interfaces**
  - Development of a **full application using Backbone**
  - **Ajax** loading of information
  - Source code: github.com/p2kmgcl/Alibel-TPV
  - Demo: pablomolina.me/Alibel-TPV

- Creation of a Kodi web interface using **Backbone** (*unfinished project*):

  - Creation of a Backbone application using **CoffeeScript**
  - Style management using **LESS**
  - Adapting Backbone to interact with a **JSONRPC backend**
  - Source code: github.com/p2kmgcl/kat/tree/preDevelop

Web Components & Polymer

- Creation of Twitter wall component:

  - Creation of **web components** using **Polymer**
  - Integration of **material design components** in an application
  - **Twitter API** comunication using **OAuth.js**
  - Grid interface creation using **Masonry.js**
  - Source code: github.com/p2kmgcl/slices
  - Demo: pablomolina.me/slices

Codepen Showcase

- Understanding **event propagation in JavaScript**: codepen.io/p2kmgcl/pen/tbxkp
- **JavaScript drag & drop events**, **audio analysing** and **canvas drawing**: codepen.io/p2kmgcl/pen/zJGHq
- **Vertical centering** elements with **CSS**: codepen.io/p2kmgcl/pen/KwaGYr

Languages

- **Spanish**: Native language
- **English**: Fluent speaking certified by First Certificate of English by Cambridge (B2 level) with experience working at United Kingdom (September 2015 - Actually)

Extra information

Winner of Fujitsu Linked Open Data Challenge Spain 2015

I presented along with my professor Arturo Montejo documentation at the Financial Sector Category about how to develop a system that would allow banks you enhance their data using semantic web. Full article (English and Spanish) can be read here:

drive.google.com/file/d/0By5_U28EwAT0NVRCNHppcXA3Nnc

> Available for full time job with relocation if necessary