

<Pablo Molina/>

Personal information

- **Email:** contact@pablololina.me
- **Residence:** [Jaen \(Jaen\), Spain](#)
- **Phone:** [+34 687 233 066](tel:+34687233066)
- **Github:** github.com/p2kmgcl
- **LinkedIn:** linkedin.com/in/p2kmgcl
- **Website:** pablololina.me

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 like the ECMAScript 2015 standard, 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 understanding of the **HTML-CSS-Javascript** separation
- Development with **CSS** preprocessors (**LESS, SASS**)
- Creation of **web components** understanding the **Shadow DOM** and how it should be used
- Unit testing with **Mocha**

Versioning

- **Git** (including collaboration 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

Lead developer in Yottacode

- **Term:** April 2016 - Currently working
- **Place:** Jaen, Jaen, Spain
- **Android** development using **websockets** for server communication
- RestFul server development using **websockets in NodeJS**, working with the framework **sailsjs**
- JavaScript application development with **angularjs** (1.0) with server synchronization via **websockets**

Researcher Intern at Fujitsu Laboratories of Europe

- **Term:** September 2015 - January 2016
- **Place:** Fujitsu Laboratories of Europe (Hayes, Middlesex, London)
- **Python** software development, testing with **Nosetest** and dependency management with **Setuptools**
- Creation of a REST API using **Flask**
- **Java** software development, testing and dependency management with **Maven**
- Development using **Semantic Web** related technologies
- **BabelJS** for web applications
- 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 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** communication 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 - January 2016)

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