

# <Pablo Molina/>

## Personal information

---

- **Email:** [contact@pablomolina.me](mailto:contact@pablomolina.me)
- **Residence:** [Hayes, Middlesex, London](#)
- **Phone:** [+44 7541 917058](#)
- **Github:** [github.com/p2kmgcl](https://github.com/p2kmgcl)
- **LinkedIn:** [linkedin.com/in/p2kmgcl](https://linkedin.com/in/p2kmgcl)
- **Website:** [pablomolina.me](http://pablomolina.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 experimenting 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 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

---

### 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 development
- **Bootstrap** and **Bootstrap** theme with **LESS** for interface creation
- **Project demo:** [youtu.be/RBUBib8IIr8](https://youtu.be/RBUBib8IIr8)

# 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](https://github.com/p2kmgcl/mvc_html5player)
  - Demo: [pablomolina.me/mvc\\_html5player/app](https://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](https://github.com/p2kmgcl/Alibel-TPV)
  - Demo: [pablomolina.me/Alibel-TPV](https://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](https://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](https://github.com/p2kmgcl/slices)
  - Demo: [pablomolina.me/slices](https://pablomolina.me/slices)

## Codepen Showcase

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

---

Available for full time job with relocation if necessary

### 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](https://drive.google.com/file/d/0By5_U28EwAT0NVRCNHppcXA3Nnc)