



Curriculum Vitae



Personal information

First name(s) / Surname(s) **Silva Machado, Ricardo Jorge.**
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E-mail ricardo.pedras@gmail.com
Nationality Portuguese
Date of birth 1986/02/20
Gender Male
Website <http://www.ricardo-machado.com>
Twitter Account <http://www.twitter.com/>

Desired employment / Occupational field

Web-Developer

Work experience

Dates 04/2008 – until now
Occupation or position held Web Developer and Software Analyst
Main activities and responsibilities Development of highly interactive web applications, using LAMP (Linux, Apache, MySQL e PHP) architectures.
Maintenance and support of the already existent applications, developed in proprietary frameworks.
Name and address of employer GrupoPIE, Portugal S.A., Rua de Artur Aires, n.º 100, 4490-144, Póvoa de Varzim, PORTUGAL
Type of business or sector Software House, Software Development

Education and training

Dates 2003/10 – 2004/10
Title of qualification awarded Computer Systems' Technician
Principal subjects/occupational skills covered Database Administrator
Network Administrator
Project Manager
Webmaster
Name and type of organisation providing education and training Escola Profissional de Esposende (Professional School)

Level in national or international classification

ISCED 4

Dates

2000/09 – 2003/10

Title of qualification awarded

Computers' Technician

Principal subjects/occupational skills covered

Network Administrator
Hardware and Software Expert
Developer

Name and type of organisation providing education and training

Escola Profissional de Esposende (Professional School)

Level in national or international classification

ISCED 3

Personal skills and competences

Mother tongue(s)

Portuguese

Other language(s)

Self-assessment

European level (*)

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Advanced User	C1	Advanced User	C1	Advanced User	C1	Advanced User	B2	Independent User

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences

I am self-taught.
I work well individually or in a team.
I have a quick thinking.
I react well to pressure while maintaining a high degree of professionalism.

Organisational skills and competences

I'm a global moderator in 2 Portuguese communities of Developers: [PortugalCODE](#) e [php-pt](#).
I was the team leader of the project SlideDeck at the "48 hours programming competition" in the [SAPO Codebits](#) 2011 event.
I've devised and contributed for the registration of the brand [NorteSul](#), with the purpose to create a *startup* in the Web Development area.

Technical skills and competences

Domain of the following programming languages: PHP, Javascript
General knowledge / basic of the following programming languages: C, JAVA
Domain of the following markup languages: XHTML, HTML5, CSS2, CSS3
Advanced knowledge of the following database engines: [MySQL](#), [MongoDB](#), [PostgreSQL](#)
Advanced knowledge of the following technologies: [NodeJS](#)
Advanced knowledge of inst. and config. of the following web servers: [Apache HTTP Server](#)
Domain of the following frameworks: [CodeIgniter](#), [Kohana](#).
Advanced knowledge of the following frameworks: [Symfony 1.x](#)

Computer skills and competences	<p>Domain of Windows and Linux, having worked particularly with Ubuntu, Fedora e Suse.</p> <p>Good knowledges on office production software(Microsoft Office, OpenOffice, LibreOffice).</p> <p>Domain of several web browsers (Google Chrome, Mozilla Firefox, Internet Explorer, Safari and Opera).</p> <p>Some experience in Adobe Photoshop, mainly in the Web Design's area.</p>
Artistic skills and competences	A few knowledges on music production through Propellerhead Reason software.
Driving licence	Category B – issued by IMTT-Braga, on 2010-02-24, with no expiration date.
Additional information	<p>Tax Identification Number.: 231937016</p> <p>Martial Status: Single (common-law)</p> <p>Dependents: 1</p>
Attachments	Attachment I – Applications made by me

Attachment I – Applications developed by me

GOA (Gestão Operacional e Analítica) (product's website)

Technologies used
Developed for
Application's Summary
Application's strengths

<http://goa.grupopie.com>

PHP, MySQL, Javascript, HTML5, CSS 3.1, Framework Symfony 1.4

GrupoPIE, Portugal S.A., Rua Artur Aires, n.º 100, 4490-144, Póvoa de Varzim, PORTUGAL

This website has the purpose to present the GrupoPIE, Portugal S.A.'s product called GOA (*Gestão Operacional e Analítica*).

Some of the application's strengths:

- **Symfony 1.4** – Made using Symfony's framework (version 1.4).

PingWin (website do produto)

Technologies used
Developed for
Application's Summary
Application's strengths

<http://pingwin.grupopie.com>

PHP, MySQL, Javascript, HTML5, CSS 3.1, Framework Symfony 1.4

GrupoPIE, Portugal S.A., Rua Artur Aires, n.º 100, 4490-144, Póvoa de Varzim, PORTUGAL

This website has the purpose to present the GrupoPIE, Portugal S.A.'s product called *PingWin*.

Some of the application's strengths:

- **Symfony 1.4** – Made using Symfony's framework (version 1.4).

API REST v2

Technologies used
Developed for
Application's Summary
Application's strengths

PHP, MySQL (partially developed by me)

GrupoPIE, Portugal S.A., Rua Artur Aires, n.º 100, 4490-144, Póvoa de Varzim, PORTUGAL

This **REST** API version brought *single sign-on* features to some of the GrupoPIE, Portugal S.A.'s projects.

Some of the application's strengths:

- **Single Sign On** – This feature allows the users to use only one user account to access to several of the company's projects where this API was applied.

API REST v1

Technologies used
Developed for
Application's Summary
Application's strengths

PHP, MySQL

GrupoPIE, Portugal S.A., Rua Artur Aires, n.º 100, 4490-144, Póvoa de Varzim, PORTUGAL

This was the first version of the company's **REST** API. It had, as main purpose, the ability to provide access to a company's main project data. Beyond that, it was developed to help us to migrate some projects to other server and maintain the services' access to the data.

Some of the application's strengths:

- **Data availability** – The newer projects needed to have access to data that was mainly centralized in one project.
With the need to migrate the services to another server, it became more obvious that we would need to provide a way to supply that information to the services remotely.
- **Reduction of Duplicated Data** – With the REST architecture/pattern it was possible to implement a fast and reliable system that allow to update and access the data in one unique core, reducing as much as possible the duplicated and/or inconsistent data.

S.G.I.P – Sistema de Gestão Integrada de Parcerias

Technologies used
Developed for
Application's Summary

<http://sgip.grupopie.com>

PHP, MySQL, Javascript, XHTML, CSS 2.1

GrupoPIE, Portugal S.A., Rua Artur Aires, n.º 100, 4490-144, Póvoa de Varzim, PORTUGAL

This web-application was developed with the purpose to control the Sales, Shipping, Installation and Commissioning systems of the GrupoPIE, Portugal S.A. company.

This application is splitted in 4 processes:

1. **Sales** – The salesman can order products through the website, being able to attach the related documentation to it.
2. **Shipping** – The provider(s) report the shipping of the orders in the website, controlling the shipped equipment by registering the serial numbers.
3. **Installation** – After shipping, the assigned installation technician confirms the installation process specifying the serial numbers of the installed equipments.
4. **Comissioning** – The application, in this case, only works as a reference to help the billing software to do its job by providing information and calculations about the comissioning in each order.

Application's strengths

Some of the application's strengths:

- **Geolocation** – Assigning of installation technicians to orders through geolocation.
- **Partners' System Integrations** – Application's integration with some of our business partners' systems.

White Flow – Locação e Sublocação de Equipamentos, Lda

Technologies used
Developed for
Application's Summary

<http://www.whiteflow.pt>

PHP, MySQL, Javascript, XHTML, CSS 2.1

GrupoPIE, Portugal S.A., Rua Artur Aires, n.º 100, 4490-144, Póvoa de Varzim, PORTUGAL

This web application was developed to manage the customers and their credit contracts with the company White Flow – Locação e Sublocação de Equipamentos, Lda.

This application is splitted in 5 main features:

1. **Entity Management** – An interface to manage all the entities that interact with it, directly or indirectly.
2. **Contract Management** – An interface to manage the credit contracts which allows the user to define the variables of a contract – such as: number of charges, contract residual value, its ATM reference, etc – and associate it to a customer/client.
3. **Payment/Charging Management** – Since the company works on a *SDD Banking System* base, the application generates the SDD file in order to be processed by the automated banking system.
After the file is processed, the administrator receives a response-file which is imported in the application and automatically updates the charges status, depending on the response of the bank.
4. **Contact Management** – Although in a too limited interface, the application allows the user to create a call history, where you can save when you call, what has been decided and with whom have you spoken.
5. **Reports** – The application provides several reports that allow the user to manage the contracts status more wisely.

Application's strengths

Some of the application's strengths:

- **Creation and processing of SDD banking system files** – This feature provides to the application the ability to automatize, and therefore simplify the way charges' payments are managed.