Manel Villar

Senior Full Stack Software Developer

Portfolio • **Github profile** • **LinkedIn**

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Paulsborner Str. 9 - 10709, Berlin (Germany)

▬▬▬▬▬ Experience

2013 - now   **Senior Full Stack Developer** at Oracle, Corp. via AcmePacket acquisition

Berlin, Germany

Oracle Communications Operations Monitor (formerly Palladion Communication Suite).

Tasks:

- Implementing new features for the network monitoring suite of products used in combination with Session Border Controller (SBC) devices.
- Python backend and Javascript frontend.
- Interaction between multiple daemons with different storage systems and a web server frontend.
- Basic knowledge of SIP network protocol.
- Test driven development using unit tests, integration tests and system tests.
- Development using containers and virtual machines.
- Continuous integration and daily builds.

2009 - 2013   **Freelance**

Works:

- **VogueLV**. Retail shoe shop chain.
  — Complete UX customization.
  — Online stock management and integration with physical stores.
- **RueVintage74**. Online fashion shop.
  — Complete UX customization.
- Facebook based HR recruitment application **"¿Quieres trabajar en Acciona?"** *(Do you want to work in Acciona?".* Developed for **Jaratech** as a contracted work for **Acciona Corp**. Discontinued due legal reasons. Backend in Python (Django), frontend FBML, FBJS.
- Another contributions:
  — **Aplihorsa Modular**. Premanufactured houses web catalog. UI improvements.
  — spiritmalde.com. Watch online shop.
  — conservasdecarino.com. Canned food online shop.

2007-2009   **Web Developer** at Ilion Animation Studios

Madrid, Spain

Animation Studios, oriented to high quality 3D animation film production.

Tasks:

- Intranet Web development in PHP of general purpose internal tools for film production: asset tracking and pipeline management.
- Migration from existing framework to 2.0 Web Application.
- Javascript development: ExtJS and jQuery.
- Databases: PostgresSQL and MySQL.
- **Video portfolio**

2004-2007   **Software Developer** Joyerías José Luis

A Coruña, Spain

Retail Jewelry shop chain.

Tasks:

- Intranet Web Application Development in PHP.
- Database administration: MySQLDB. Tools used: phpMyAdmin and Toad.
- Javascript coding: AJAX, JSON, XPATH, Ajax.
- Form and web interfaces design. UI controls design.
- SQL queries and processes optimization.
- Permission and user access control system.
- XML dynamic report generation.
- Python scripting for auxiliar tasks.

Developed modules: • Inventory and stock management. • Goods reception and shipping.

2003   **Junior Software Developer** at Class One

A Coruña, Spain

Company dedicated to developing and maintaining on-trade-oriented (hotels and restaurants) applications.

- COBOL development of text-mode applications.
- Auxiliar tools for codebase management in Python and C.

2002   **Internship**

Carino, Spain

Flash website for canned Food Factory.

Technical Experience

Open Source

- Added **es3** support to **Google Closure Linter** [Python].
- New example added for **Raspberry PI LED hat**. Arduino **C**.
- Translation file added to **Discourse** forum software.
- Several improvements to **social news aggregator (Reddit-style)**: cascade comments, bug fixing, events calendar…

Other projects

- Javascript demos and twitter bots available in my **portfolio**.
- MS-DOS videogame developed in C (1997). Now available for playing **online** via EMScripten emulation.
- **Blog** with technical notes.

Programming Languages

Python	+5 years of experience with different libraries and frameworks: Django, Flask, virtual environments.
Javascript	+10 years of experience, from pre-Ajax era to ES6.
Ruby	Final degree work made in Sinatra.
PHP	+5 years of experience developing web applications.
Java	Several university projects.
Scala	Three days training in Scala Academy.
Basic knowledge	**C/C++**, **x86 assembly**, **Go**, **Perl**, **COBOL**.

Additional Technologies

Infrastructure	**Vagrant**, **Docker**, **Jenkins**, **Ansible**, Linux **shell and command line**.
Version Control	**Git**, **Mercurial**, **Bazaar**, **SVN**.

Education

2012	**Computer Science Degree**; Universitat Oberta de Catalunya.
	Final degree work: web application in Ruby (Sinatra) for translating other applications: **Transboard**
2000-2002	**C.S. in Multiuser and Multitask Operating System Administration**; Fernando Wirtz Institute. A Coruña, Spain.
	Course subjects: networking, network protocols, Java and C programming, Windows and Linux administration.

Additional Skills

Languages:

- English (fluent)
- German (basic)
- Spanish (native)
- Portuguese (B2)

Involved in Raspberry PI Jam Berlin event organization.

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