

Manel Villar

Senior Full Stack Software Developer

[Portfolio](#) • [Github profile](#) • [LinkedIn](#)

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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: PostgreSQL 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	ZMQ C/C++, x86 assembly, Go, Perl, COBOL.

Additional Technologies

Databases	Redis, MySQL, PostgreSQL.
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. <i>Final degree work: web application in Ruby (Sinatra) for translating other applications: Transboard</i>
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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