# Manel Villar

Senior Full Stack Software Developer

[Portfolio](https://manelvf.github.io) • [Github profile](https://github.com/manelvf) • [LinkedIn](https://www.linkedin.com/in/manelvillar/)

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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).](https://www.oracle.com/industries/communications/service-providers/products/operations-monitor/index.html)

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**](http://voguelv.com). Retail shoe shop chain.
  + Complete UX customization.
  + Online stock management and integration with physical stores.
* [**RueVintage74**](http://ruevintage74.com). 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](http://www.jaratech.com/) as a contracted work for [Acciona Corp](http://www.acciona.es/). Discontinued due legal reasons. Backend in Python (Django), frontend FBML, FBJS.
* Another contributions:
  + [Aplihorsa Modular](http://www.aplihorsamodular.com). 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](http://vimeo.com/album/93295)

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](https://github.com/google/closure-linter) [Python].
* New example added for [Raspberry PI LED hat](https://github.com/manelvf/RPi-WS2812-HAT). Arduino **C**.
* Translation file added to [Discourse](https://github.com/discourse/discourse) forum software.
* Several improvements to [social news aggregator (Reddit-style)](https://github.com/chuza/chuza): cascade comments, bug fixing, events calendar…

### Other projects

* Javascript demos and twitter bots available in my [portfolio](https://manelvf.github.io).
* MS-DOS videogame developed in C (1997). Now available for playing [online](https://manelvf.github.io/lumeinfernal/) via EMScripten emulation.
* [Blog](https://manelvf.github.io/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**, **PostgresSQL**.

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*](https://github.com/manelvf/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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