

# FRANCISCO MARTINEZ

Senior Engineer with 14 years experience managing, developing, configuring and setting up software solutions.

I'm a hands-on kind of person with varied experience and passionate towards computer technology; always willing to learn and share experiences. Like to work in environments where I can make a direct impact on the product or team with a practical approach.

I've been working from both sides of a product - Operations and Development, so I can usually understand their needs, and I'm versatile and comfortable in either role.

## Skills

Configuration Management  
puppet, ansible, chef  
Continuous Integration  
[jenkins](#)  
RedHat-flavoured Linux Admin  
Fabric management  
[AWS](#), [terraform](#)  
Mass Storage scientific tools and fs  
[xfs](#), [zfs](#)  
Monitoring tools  
nagios, [icinga](#), [graphite](#), [statsd](#)  
C / Ruby / Python programming  
Agile methodologies  
SCRUM  
Basic Queues/Streams  
[kafka](#), [activemq](#)

## Education

[Polytechnic University of Catalonia](#)  
(1996-2002)  
Computer Engineer

## Experience

### Release Engineer / DevOps, [Telefonica I+D](#)

Barcelona, 2012-present

Joined the company as Release Discipline Manager, to define and standardize the policies and best practices regarding the packaging, release and delivery of our products. Switched to a more product-oriented activity as Release Engineer / DevOps in the TU (voice solutions) product in the Comms area of former Telefonica Digital. Then changed to another product, [Tokbox](#), a video platform based on [WebRTC](#) technologies.

My main task is to bridge Devs with Ops, trying to push new features to production while keeping stability up. Focus on automation, pipelines and push for continuous delivery and make as many releases as possible.

#### Accomplishments

- Led an automated deployment & conf mgmt process based on ansible.
- Implemented Continuous Delivery practices with jenkins pipelines

#### Skills developed

- Chef, Ansible and deployment automation.
- Jenkins, Continuous Integration & Delivery best practices.
- Webservers - apache, nginx.
- Agile methodologies (SCRUM).
- Metrics - statsd and graphite.
- Docker, AWS, terraform and other infrastructure management tools

### Storage & Systems Engineer, [Port d'Informació Científica](#)

Barcelona, 2003-2012

Port d'Informació Científica is a research support center, with a special emphasis on the Large Hadron Collider project and other applied physics projects. In the 9 years, I evolved from Storage Engineer, focusing on my sysadmin skills, Services Area coordinator (managing 4 people) and Innovation Responsible, where I focused on evaluating new tools and possibilities. As part of this work I stayed 7 months at CERN, Geneva, Switzerland.

#### Accomplishments

- Deployment and Operation of [CASTOR](#), our massive storage tool, developed at [CERN](#).
- Participated in the implementation of a monitoring system based on Nagios on the first iteration, and Icinga on the second iteration.
- Coordination in the Services area, focusing on the delivery of the software supplied in the [WLCG](#) & [EGEE](#) project.

#### Skills developed

- Redhat-flavoured Linux administration (Scientific Linux).
- Solaris administration (ZFS nodes).
- Mass Storage administration (castor, dcache) and file systems.
- Configuration Management (Puppet).
- Monitoring tools (Nagios, Icinga).
- Work in an international team (mainly US and european research centers)

### Fellow, Centre Europeu de Paral·lelisme de Barcelona

Barcelona, 2001-2003

As part of a pre-doc fellowship, I collaborated with the optimization of parallel jobs with in-house tools. The main skills I developed were my C programming, massive multithreading & parallelism and performance evaluation. As part of the Fellowship I stayed 3 months at IBM Centre for Advanced Studies at Toronto, Ontario.