

Álvaro Castellano Vela

Experience

Nov 2006 -
Present

IT System Administrator at Onestic S.L.

I work at IT department, maintaining and deploying Magento (1 & 2) servers. There are around 400 production servers from around 40 different clients. E-commerce support is critical so we must guarantee 99% SLA.

- **Automated Server Deployment:** *SaltStack* is used to deploy and maintain our stack configuration (with agile support of client needed changes) over all infrastructure.
- **Improve our tool.** I've contributed to improve SaltStack states and pillar in order to make our projects management more efficient and easier to maintain.
- **Tecnologies and Languages used:** Nginx, Haproxy, Varnish, Sensu, ProFTPD, Keepalived, Python, Bash, etc...

Oct 2015 -
Nov 2006

DevOps at MicromaxStudio S.L.

I managed the maintainance of the company's backend servers, their migration to cloud infrastructure, and developing infrastructure tools support them.

- **Automated Server Deployment:** *Ansible* was used to deploy new server instances in the cloud, as well as keeping the existing ones up-to-date. Git was used to manage all the deployment files organized.
- **Server Monitoring:** The company servers were monitored using *Icinga 2*.

May 2013 -
Nov 2016

Developer at Inherit Smart Experiences S.L.

I developed smart devices which produce sensorial stimulation (light, fragrances, heat & cold, etc) during a marketing experience. These devices induce new sensations and emotions on the clients. Our devices start to play a video when the client enters into a room. According with a previous configuration, during the video playback the room changes its backgorund color using leds lamps. The room also have fragrance triggers which immerse the client inside the experience.

- **Web Plataforma** which maintains all company gadgets connected, the plataform is written in PHP using *Zend Framework*.
- **Remote video player:** Remote video player which loads videos from the company web plataform, these players also activate light and relays to add more sensations during the video playback.

May 2013 -
Oct 2015

IT System Administrator at E-commfactory S.L.

I was working in this company as system administrator, migrate websites ans web apps from old server to cloud server, improving security of the new machines. I also handled company's infrastructure cloud, etc.

In September 2015 the company changed its name to *MicromaxStudio S.L.*

Open Source

Own projects In my free time I work in my own projects:

- **Formula Live Results** - Mobile application for *Android* and *iOS* written using *Ionic Framework* which allowed you to watch live results of Formula One races performed in 2015 - **Google Play**
- **VPN Server Managed (not finished)**. The aim of this project was to provide VPN server nodes across many countries and SaaS providers. Clients were supposed to pay only by the hours that servers were up and running. I stopped this development when Netflix announced that they were going to ban VPN connections from different countries. I used *C++ 11 (Backend)*, *Python (Scripts)*, *Laravel 5 (frontend)*.
- **nextcloudbackupsaws3**. Utility to make backups of Nextcloud and store them into S3 bucket, written in Bash with unit testing.
- **toggl-jira-work-logger**. Utility to log work into Jira issues using Toggl recorded time entries. Written in Perl.
- **Daedalus project (in progress)**. Daedalus project aims to be a powerful interface for managing orchestrated applications and server configuration across multiple SaaS providers.

Education

2008-2013 **Master in Computer Science Engineering** Universitat Jaume I, Castellón de la Plana - Spain

Final project title: Wireless presence control device for students.

Programming Languages

: **Python:** 7 years experience. I use Python for almost all maintenance scripts and when I need to write scripts quickly.

: **Bash scripting:** In many cases I have written bash scripts for monitoring special things such as backups, e-mail monitoring, website changes (before knowing about Icinga),

: **PHP:** 3 years experience I have used Zend Framework at work. I have used CodeIgniter 2 and Laravel 5 in my own projects.

: **Perl 5:** 6 months experience. I started with this language solving **Advent of Code 2017**. Daedalus core is being written entirely using **Perl Catalyst**.

: Basic knowledge of **C++ 11**, **Javascript**

Technical Skills

Methodologies **Object Oriented Programming/Design.**

Agile **Scrum, FDD, TDD**

Build **Make and CMake.**

VCS	Git.
WebServer	Apache2 , and Nginx .
Balancers	Haproxy .
Config De- ployer Deployment	SaltStack and Ansible . Ansible and Capistrano .
Monitoring	Monit , Icinga 2 and Sensu .

Languages

Spanish	Native
Catalonian	Fluent
English	Grade 6 at IELTS (B2)

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