

Álvaro Castellano Vela

Experience

Nov 2016 -
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 background 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 plataforma is written in PHP using *Zend Framework*.
- **Remote video player:** Remote video player which loads videos from the company web plataforma, 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 and 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* wirtten using *Ionic Framework* wich 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 fenix servers accros many countries and SaaS providers. Clients were supposed to bay only by the hours that server were up and running. I stopped this development when Netflix announced that whey where going to ban VPN connection from different countries. I used *C++ 11 (Backend)*, *Python(Scripts)*, *Laravel 5 (frontend)*.
- **nextcloudbackupsawss3**. 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 powerfull in 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:** I use Python for almost all mainteinance scripts and when I need to write scripts quickly.
- : **Bash scripting:** In many cases I have written bash sripts for monitoring special things such as backups, e-mail monitoring, website changes (before knowing about Icinga),
- : **PHP:** I have used Zend Framework at work. I have used CodeIgniter 2 and Laravel 5 in my own projects.
- : **Perl 5:** I started with this language solving **Advent of Code 2017**. Daedalus core its being written entirely using **Perl Catalyst**.
- : Basic knowledge of **C++ 11**, **Javascript**

Technical Skills

Methodolo- gies Agile	Object Orientied Programming/Design. Scrum, FDD, TDD
Build	Make and CMake .
VCS	Git .

WebServer	Apache2 , and Nginx .
Load balancers	Haproxy .
Config De- ployer Deployment	SaltStack and Ansible . Ansible and Capistrano .
Monitoring	Monit , Icinga 2 , Sensu and Prometheus** .
Databases:	MySQL

Languages

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

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