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 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 mantain.
- **Tegnologies and Languages used**: Nginx, Haproxy, Varnish, Sensu, ProFTPd, Keepalived, Pyhton, Bash, etc…

Oct 2015 - Nov 2016

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.
- **Server Monitoring**: The company servers were monitoried using *Icinga 2*.

May 2013 - Nov 2016

Developer at Inhedit 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.

- **Web Plataform** 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.

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.

Open Source

Own projects

In my free time I work in my own projects, here are some of the last ones:

- **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 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:** 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),

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

: **Golang**: I started with this language solving **Advent of Code 2018**, basic level.

Technical Skills

Agile	**Scrum**, **FDD**, **TDD**
Build	**Make** and **CMake**.
WebServer	**Apache2**, and **Nginx**.
Load balancers	**Haproxy**.
IaC	**SaltStack** and **Ansible**.
Monitoring	**Monit**, **Icinga 2**, **Sensu** and **Prometheus**.
Databases:	**MySQL**
Containers:	**Docker** and **Kubernetes** (basic knowledge).

Languages

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

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GitHub: `https://github.com/a-castellano`