

DAVID MORENO-GARCIA

DevOps Engineer

+41 75 41 11 350



contact@davidmogar.com



Geneva area



davidmogar.com



PROFILE

DevOps Engineer focused on Linux and Unix-based systems. Flexible professional with experience in configuration management, monitoring and automation. Skilled Kubernetes professional.

EDUCATION

Master's degree in Web Engineering

University of Oviedo, 2016

Bachelor of Software Engineering

University of Oviedo, 2014

TECHNICAL SKILLS

Configuration management using Puppet and Ansible.

Experience building highly available applications.

Continuous support of highly scalable infrastructures.

Scripting and programming languages.

Ability to grasp technical concepts quickly.

End-user support for 24/7 large-scale production services.

EXPERIENCE

DevOps Engineer

CERN / Project Associate from Jan 2016 and Fellow since Jun 2018

- Designed and implemented a Kubernetes based-solution as an alternative to CERN's Puppet infrastructure, focusing in the security of the service and in collaboration with the team responsible of the Kubernetes service.
- Implemented monitorization solutions using CERN's monitoring services, like Grafana, Elasticsearch, Prometheus and Fluentd.
- Planned and performed a transparent migration of production traffic to the Kubernetes solution.
- Contributed to Puppet infrastructure key components, with changes backed up by Puppet's main developers and community members.
- Deployed a parallel Puppet infrastructure to manage the configuration on nodes created on external commercial clouds.
- Established a Continuous Integration life-cycle flow for modules and hostgroups across the Puppet infrastructure using GitLab CI.
- Improved and expanded end-user and internal documentation.
- Trained new employees on Configuration Management aspects.

Information Technology Teacher

@deka formation centre / Oct 2013 - 2014

Taught individualised focus groups:

- Programming languages (Java and JavaScript).
- Concepts of code compiling and debugging.
- Game development with Java frameworks.

R+D+I Researcher and Software developer

B2B2000 / Feb 2013 - Jan 2014

- Developed a distributed platform to generate statistics on TV usage based on Twitter data.
- Designed and implemented a Spring application to serve as a centralised dashboard for the platform.
- Developed a network of decentralised data mining workers.

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LANGUAGES

Spanish (native)

English (fluent)

French (basic)

INTERESTS

Squash

Mentoring

Cycling

Board games

System Administrator Intern

University of Oviedo / Sep 2010 - Jan 2013

- Deployed, administered and maintained the School of Computer Science servers.
- Migrated the VMware-based virtualization infrastructure to XenServer.
- Virtualised legacy services running on physical machines.
- Managed the School of Computer Science's network.
- Managed the distribution of software across the different laboratories.
- Deployed a help-desk ticketing system to offer support to staff and students.
- Deployed a new intranet for undergraduate students.

ACCOMPLISHMENTS

Honours & Awards

- Top of the class at University of Oviedo (2014 - 2017) with fourteen academic distinctions.

Publications

- Future Approach to tier-0 extension (Nov 2017, Computing in High Energy and Nuclear Physics).
- CERN Computing in Commercial Clouds (Oct 2016, Computing in High Energy and Nuclear Physics).

Main presentations

- Puppet Server & Containers: A multi-tenancy deployment (Oct 2019, Puppetize PDX, Portland).
- Taking the reins of your data with Hiera 5 (Sep 2018, CERN).
- The Hows and Whats of Service Monitoring at CERN (Oct 2018, Puppetize Live, Amsterdam).