

# DOMINGO RIVERA BARROS

## Computer Engineer

📍 Geneva, Switzerland

🌐 domingoriverabarros

✉️ domingorb@proton.me

🚗 driverab

🌐 dominrivera.github.io

🔄 dominrivera

☎️ +41 782442024



## EXPERIENCE

### CERN Cloud Infrastructure team - Cloud Infrastructure Engineer

📅 Sept. 2021 – Sept. 2023

📍 Switzerland

Tech Stack: *OpenStack, Linux, Python, Bash, Puppet, MySQL, InfluxDB, Prometheus, Grafana, Rundeck, CI/CD*

- Played a key role in configuring, managing, and continuously improving CERN's Cloud Service infrastructure (OpenStack).
- Carried out service upgrades which implied the migration of thousands of VMs.
- Developed and maintained automation solutions for the Cloud Service, streamlining operations and improving efficiency.
- Responsible for monitoring the Cloud Service, ensuring high availability and performance through proactive monitoring.
- Managed and maintained the CERN OpenStack web application, ensuring its availability and performance for thousands of users.
- Member of the Cloud Service support team in charge of addressing user incidents and requests, providing solutions and support for a large-scale infrastructure that serves thousands of users. This infrastructure includes nearly 10,000 physical servers, 13,000 virtual machines, and almost half a million cores.

### CERN Databases Group - DevOps/Infrastructure Engineer

📅 July 2018 – July 2021

📍 Switzerland

Tech Stack: *Linux, Python, Puppet, Ansible, Nomad, Docker, Kubernetes, CI/CD, InfluxDB, Telegraf, Grafana, Filebeat, Logstash*

- Designed, built, and configured a containerized infrastructure utilizing Hashicorp Nomad.
- Migrated several systems to Nomad and Kubernetes.
- Led the migration of hardware and application monitoring and alarming sensors to a new monitoring solution.
- Continuously improved the group's configuration elements using Puppet and Ansible.
- Member of the support team in charge of the physical and virtual platform of the group.

### Conexiona Telecom - Web Developer

📅 February 2018 – May 2018

📍 Spain

Internship student - Developed the notifications system for the web application managing the company's financial records.

### University of Vigo - System Administrator

📅 November 2017 – March 2018

📍 Spain

Internship student - Provided support in managing the computing infrastructure of approximately 500 computers and peripherals.

*"With 5 years of experience in the IT field, I've honed expertise in systems and cloud infrastructure, focusing on technologies such as Linux, Python, Bash, OpenStack, Kubernetes, Puppet, Ansible, among many others.*

*Enthusiast, optimistic and efficient team player. Always willing to learn, contribute and help solve problems to achieve the best results"*

## LANGUAGES

English

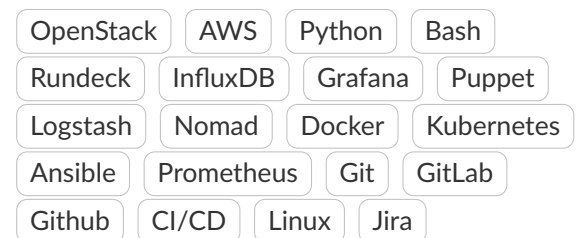
French

Spanish

Portuguese



## SKILLS



## EDUCATION

### B.S. in Computer Engineering

University of Vigo

📅 2020

📍 Spain

Bachelor's thesis: ESEI Monitoring System

### Erasmus Programme. Computer Engineering

Bialystok University of Technology

📅 2016

📍 Poland