Giovanni Zizzi | Curriculum Vitae

✉ giovanni.zizzi@cmcc.it

Employment History

CMCC Bologna (CSP and ODA divisions)

IT system administrator   *November 2018–Today*

I'm currently working as an IT system administrator at CMCC Bologna. My duties include servers, storage, and network management, user support, and helping the administrative office in purchasing and surveying computer equipment.

I've worked at INFN-CNAF data center in Bologna from July 2010 till November 2018 as IT system administrator switching through different units and projects.

General ICT services

IT system administrator   *May 2017–November 2018*

This group offers general ICT services to all INFN communities (like software repositories, mail, and document management software). My duties concerned monitoring/alarms, logs collecting and analysis, virtualization platform administration (oVirt and VMWare) and user support.

R&D division

Technologist   *November 2014–November 2016*

I've worked for two year in a Cloud project named OCP (Open City Platform). The purpose of this project was to develop and deploy a cloud platform for the Italian public administration and citizens. My role in this project was related to the IaaS layer of the infrastructure, for which I took part in the testing activity and the development of puppet modules for the installation.

Storage division

IT system administrator   *July 2012–July 2014*

I've worked in the storage division of INFN-CNAF; I was in charge of the data transfer infrastructure based on StoRM/GridFTP servers. In this period I've also started working on the monitoring and the file system fields

User support division

IT system administrator   *July 2012–July 2014*

I've worked as first-level support for various astroparticle experiments using CNAF for data analysis and storage purposes.

Education

Academic qualifications

Università del Salento   **Lecce**

PhD in Physics, theme: astroparticle physics   *2006–2010*

Title: Measurement of the flux ratio of antiprotons to protons with the Moon shadow for the ARGO-YBJ experiment

Tutor: Prof. Daniele Martello

- **Università del Salento** **Lecce**
  Physics degree in Physics, final thesis on astroparticle physics *2000–2005*
  Title: Studio della sensibilità alla Crab Nebula per l'esperimento ARGO-YBJ

  Vote : 104/110
  Tutor: Prof. Daniele Martello

Courses

During the years at INFN-CNAF, I've followed courses to increase my knowledge of different topics related to my job:

- **Python for system administrators** *21-25 May 2018*
- **First level CNA Cisco** *7-11 May 2018*
- **Basic and advanced usage of Alfresco** *27-29 June 2017*
- **EC-Council Ethical Hacking and Countermeasures** *23-27 May 2016*
- **PostgreSQL Administration and Performance Tuning** *23 June-3 July 2015*
- **Red Hat OpenStack administration** *2-5 February 2015*
- **Advanced course on GPFS parallel and distributed file system** *26-28 November 2014*
- **Introduction to cloud computing** *20 May and 13 June 2014*
- **Introductory course on GPFS parallel and distributed file system** *3-6 December 2012*

Technical, scientific and personal skills

- **Virtualization systems:** KVM, oVirt, VMWare vSphere
- **Cloud platform:** OpenStack (Horizon, Nova, Neutron, Cinder, Glance, Swift, Keystone, Heat)
- **Container:** Docker
- **Scripting and programming languages:** Bash, Tcsh, Perl, Python, C++
- **Markup languages:** Latex
- **Databases:** PostgreSQL, MySQL
- **Monitoring:** Zabbix, Observium , Checkmk
- **Data transfer tools administration:** FTP, GridFTP
- **Logging collection:** Rsyslog
- **Operating systems:** GNU/Linux (Debian, Ubuntu, Scientific Cern Linux, CentOS, Fedora, OpenSuse), macOS, Windows
- **System administration toolkit:** Puppet, Foreman
- **File system:** GPFS, XFS
- **Version control systems:** Git, Svn
- **Data analysis:** ROOT

- ○ **Scientific skills:** Physics, Statistics and data analysis
- ○ **General Business Skills:** good presentation and communication skills, I'm used to working in a team but also to operate in autonomy

Language

- ○ **Mother language:** Italian
- ○ **Other language:** English

Bologna 16 June 2020