Ismael Berdusán Muñoz

Computer Science

CONTACT

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📍 Zaragoza, Aragon, Spain

in Ismael Berdusán Muñoz

○ Ismaber

LANGUAGES

Spanish - Native

English - High Level

SKILLS

Teamwork

Troubleshooting

Attention to detail

Self-management

Continuous Learning

Initiative

ABOUT ME

Computer science graduate with a strong interest in **systems administration**. Ability to adapt to all types of environments and always strive to give my best. Seeking to learn new technologies and improve my abilities.

EXPERIENCE

Virtualization and Network Integration

University of Zaragoza, February 2025 - April 2025

Conducted the design and implementation of a **virtual machine server** seamlessly integrated with the **network architecture** of the **Department of Computer Science and Systems Engineering**. This involved an in-depth analysis of **OpenStack** as a virtualization management tool, its **installation and configuration using Kolla Ansible** on a dedicated server, and the setup of **network segmentation** and **virtualization** for both the server and its virtual machines. Additionally, comprehensive **documentation** was prepared to detail the entire process and its outcomes.

EDUCATION

Degree in Computer Science

University of Zaragoza, 2019 - 2025

Systems Administration

Implementation of IT infrastructures and managing **VLANs** and **IPv6** environments. Leveraging automation tools developed in **shell scripting** and **Ruby** to streamline remote management tasks. Experience spans across **OpenBSD** and **FreeBSD**, with a focus on critical applications such as **NTP**, **DNS**, **NFS**, and **FreeIPA** for domain management.

Databases

Installation, configuration, and management of various **DBMS**, both **SQL** (**Oracle**, **PostgreSQL**, **MySQL**) and **NoSQL** (**MongoDB**, **Cassandra**), as well as ensuring their security and subsequent data exploitation.

Web Development

Development of a **Full Stack** application using the **MERN** stack (MongoDB, Express, React, and Node.js), integrating the **public API of Zaragoza City Council** to provide real-time information on **bicycle and station availability**, with features such as **search filters**, **travel routes**, and **data visualization**.

TOOLS

Python	Ubuntu	Docker	OpenStack
Kotlin	Linux	Docker Compose	JavaScript
C	Centos	Git	React
C++	Shell	Github Actions	Next.js
Java	KVM / QEMU	CI/CD	SQL