

# AMARO CASTRO

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## Virtualization Engineer

### SUMMARY

Virtualization Engineer specialized in **VMware** and **Nutanix** technologies, driven by the optimization, modernization, and automation of enterprise virtual environments. I have experience managing complex infrastructures, improving operational efficiency, and ensuring high availability. I combine hands-on work with independent research and writing to share best practices, streamline processes, and contribute innovative solutions.

### EXPERIENCE

#### Capgemini

Katowice, Poland

*Systems Engineer*

2024 – Present

- Member of the **L3 team** responsible for managing an infrastructure based on **VMware and Nutanix** technologies with **Dell and Cisco** hardware for an energy industry client.
- Deployment, configuration, and maintenance of **VMware and Nutanix clusters**, and administration of management platforms such as **vCenter Server and Prism Central**.
- Support for **Virtual Machine migrations** from VMware to Nutanix using Nutanix Move.
- Design, configuration, and maintenance of **Disaster Recovery** using VMware Site Recovery Manager and Nutanix Disaster Recovery services.
- Infrastructure **automation and optimization** using PowerShell, Python, and Ansible scripts.
- Promotion of knowledge sharing** by improving and expanding documentation for processes and solutions.
- Stack:** ESXi, AHV, vCenter, Prism Central, Nutanix DR, SRM, Dell OME, UCS Central, PowerShell, Python, Ansible Automation Platform.

#### INCOM SA

A Coruña, Spain

*Virtualization Engineer*

2020 – 2024

- Member of the **IaaS team** responsible for managing a large infrastructure based on **VMware** technologies with **Dell and HPE** hardware for a retail industry client.
- Deployment, configuration, and maintenance of **ESXi servers, vCenter Server, and vSAN clusters**, along with environment monitoring, **Level 3 support** and resource delivery for infrastructure users.
- Infrastructure modernization** through Proof of Concept projects, including the vCenter integration with Microsoft Entra ID, usage of vSAN File Services in vSAN clusters, and implementation of HPE and Dell firmware updates through vSphere Lifecycle Manager (LCM) images.
- Infrastructure automation with an IaC approach** using PowerShell, Python, and Ansible, improving operational efficiency and optimization.
- Stack:** ESXi, vCenter Server, vSAN, SRM, VMware Aria tools, Dell OME, PowerShell, Python, Ansible Automation Platform.

### EDUCATION

#### University of A Coruña

A Coruña, Spain

*BSc in Computer Engineering (2020)*

- Thesis: Cloud service delivery platform using VMware Cloud Foundation.

#### Technical University of Zagreb

Zagreb, Croatia

*Erasmus Exchange Program (2018)*

### CERTIFICATIONS & COURSES

**VMware Certified Professional - Data Center Virtualization (2023)**

**Nutanix Foundation Workshop (2025)**

**AWS Cloud Operations (2025)**

**AWS DevOps Engineering (2025)**

**vSphere: Advanced Administration [V8] (2024)**

**AZ-104: Microsoft Azure Administrator (2023)**

### TECHNICAL SKILLS

**Virtualization & Cloud:** AWS, Azure, vSphere ESXi, vCenter Server, VMware vSAN, SRM, Nutanix AHV, Prism Central, Disaster Recovery

**Hardware & Infrastructure:** Dell OME, HPE OneView, Cisco UCS Manager

**Automation & DevOps:** Bash, PowerShell, Python, Ansible Automation Platform, REST APIs, Docker, Git

**Languages:** Spanish (Native), Galician (Native), English (Professional), Polish (Basic).