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# Jorge García Otero

## About me

**Telecommunications Engineer** with 10+ years of experience in the Telco sector.

Skilled in developing executive dashboards in Power BI and MySQL, automating processes with Python, and developing web applications in JavaScript and Python for network alarm and incident management.

Passionate about learning and continuous development. Seeking opportunities to contribute my skills and experience to a dynamic team.

## Experience

### Data Engineering and Development Vodafone

04/2019 - Present

- **Automated data ingestion and transformation** from diverse sources including statistics, alarms, network inventory files, SharePoint files, and ticketing system data (Amdocs) to facilitate analysis and visualization.
  - HDFS, MySQL, Python, Bash, Apache NIFI, Superset, Stackstorm, Alerta, Microsoft PowerApps.
- **Enhanced Amdocs Ticket Management:** Developed code to automate ticket creation, update, and closure based on network alarms and scheduled work notification emails. This reduces manual intervention and improves efficiency.
- **Developed interactive dashboards using Microsoft Power BI** to monitor KPIs for various VNO Spain contracts.
- **Fully developed the web portals** <https://fotodered.vodafone.es/> and <https://vision.vodafone.es/>
- I contributed to the design, development, and management of projects such as web portals, automations, and dashboards developed by our external vendor NTT Data.

### Network Operations Specialist Vodafone

07/2015 - 04/2019

- **Partners and Suppliers Contract Management:** Managed contractual agreements with Orange (Mobile and Fixed Sharing Services) and Cellnex (Mobile Infrastructure Cession).
- **SLA/KPI Automation:** Automated Service Level Agreements (SLAs) and Key Performance Indicators (KPIs) using Visual Basic for Applications (VBA).
- **Interactive KPI/SLA Dashboards:** Developed interactive dashboards for KPIs and SLAs using MySQL and Microsoft Power BI.

### Network Deployment Technician Experis (Satec)

12/2013 - 06/2015

- Managed the installation of equipment, wiring, and electrical connections in Vodafone Network Switching Centers.

### Network Operations & Maintenance Technician Satec

06/2013 - 12/2013

- Analyzed and resolved incidents within the Vodafone Mobile Network (BTS and DSLAMs).

### C++/C# Developer (Trainee) Gradiant

09/2012 - 05/2013

- Developed a telemedicine application using C++/C# to assist elderly people in performing physical exercises using Microsoft's Kinect Sensor device. The application utilized the Dynamic Time Warping (DWT) algorithm for joint detection and real-time recognition of pre-recorded movement patterns.

### Scholarship PSA Peugeot Citroën

02/2012 - 06/2012

- Designed a flowchart to optimize on-time vehicle delivery from Citroën's paint chain.

## Education

**Upskill** 2019  
LaunchPad AI  
**Master degree** 2018  
Escuela Organización Industrial (EOI)  
**University Degree** 2012  
Universidad de Vigo (UVIGO)

- Fulltime Upskill in data Science and Machine Learning of 320h
- Master Degree in Business Intelligence and Big Data
- Telecommunications Engineering - Speciality in Electronics

## Certificates

**Google Cloud Platform** 2024  
2023  
**Cambridge English** 2014  
**Cisco** 2013

- Professional Data Engineer
- Associate Cloud Engineer
- First(B2) English Certificate
- Cisco Certified Network Associate (CCNA)

SimpliLearn  
Udacity  
Udemy

2024  
2023  
≤2022

# Training and development

- Devops Engineering 6 month Program
- Data Engineer Program
- Apache Airflow
- Linux, Shell & Scripting
- Git + GitHub
- Portfolio in ReactJS
- MongoDB Developer's guide
- Several Javascript, HTML, CSS and Bootsrap Courses
- The ultimate Flask Course
- Apache Spark Streaming
- Machine Learning in Python

