Daniel Vilela García

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Gender: Male   **Date of birth:** 21/01/1992   **Nationality:** Spanish

WORK EXPERIENCE

[21/09/2020 – Current] **Cloud Support Engineer - Analytics**

AWS   https://aws.amazon.com/

City: Dublin
Country: Ireland
Main activities and responsibilities:
As part of the Analytics team in Premium Support, I provide specialized enterprise support for AWS analytics services, and their integration with AWS Cloud tools and core services (e.g. **IAM**, **EC2**, **ELB**, **DynamoDB**, **VPC**, etc.). These Analytics services include:

- **Amazon OpenSearch** (Successor to Elasticsearch).
- **Managed Streaming for Kafka**.
- **Kinesis Suite**.
- **CloudSearch**.
- **Kendra**.

[01/12/2019 – 16/09/2021] **Research engineer**

GRyS   http://grys.upm.es/

Address: Madrid, Spain
City: Madrid
Country: Spain

http://www.afarcloud.eu/
Main activities and responsibilities:
Development of a semantic middleware for an European IoT project (i.e. AFarCloud) involving the following tasks:

- **Development and maintenance of containerised microservices** - using Docker Compose/ Docker Swarm -.
- **MQTT communications systems design and development** - using JAVA clients and Eclipse Mosquitto brokers -.
- **REST APIs design, development and documentation** using JAX-RS/Eclipse Grizzly and OpenAPI (formerly known as Swagger).
- **Information models design and validation**: Design of JSON schemas. Implementation of data validation tools for parsing and categorizing incoming JSON documents.
- **Centralized log monitoring system implementation** using the Elastic Stack (ELK) and Docker Swarm.

[15/01/2017 – 15/08/2017] **Electronic engineer**

XSolucion   www.xsolucion.com

Address: Havana, Cuba
City: Havana
Country: Cuba
Main activities and responsibilities:
- **Local Area Network setup and troubleshooting.**
- **Hardware diagnosis and repair.**

[06/2016 – 07/2017] **Telecommunications engineer (Internship)**

Canal Habana

Address: Havana, Cuba
Main activities and responsibilities:
Internship at the Electronics and IT Department:

- **Maintenance of the local area network**.
- **Power and Signal to Noise Ratio measurements in urban areas for the adequate reception of Digital Terrestrial Television**.

EDUCATION AND TRAINING

[09/09/2019 – Current] **Master's Degree in IoT (Internet of Things)**

Polytechnic University of Madrid (UPM)   https://masteriot.etsist.upm.es/
Address: Madrid, Spain

[09/2011 – 06/2017] **Telecommunications and Electronics Engineering Degree**

Technological University of Havana (UTH) "José Antonio Echeverría"
Address: Havana, Cuba

[2007 – 2010] **Bachelor**

Vocational Pre-University Institute of Exact Sciences "Vladimir Ilich Lenin"
Address: Havana, Cuba

LANGUAGE SKILLS

Mother tongue(s): Spanish

Other language(s):

English
LISTENING C1 **READING** C1 **WRITING** B2
SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

DIGITAL SKILLS

My Digital Skills

Coding

Java Programming language | Assembler (ASM) | Python programming with basic Data Analysis skills (module Pandas) | JAX-RS | Arduino (Basic)

Networking

Network (LAN / WAN, TCP / IP) | Linux Networking | Cisco Packet Tracer

IT

Amazon Web Service (AWS) | MQTT | ElasticSearch | IoT | RESTful Webservices | Docker/Docker-Compose | ELK (Elasticsearch, Logstash, Kibana) | Knowledge of Git | AWS Kinesis | JSON Schema | docker swarm | Apache KAFKA

COURSES AND CERTIFICATIONS

Courses

2017-2018: **Udemi** "Cisco CCNA R&S 200-125".

January 2018 - August 2018: **Coursera** "Data Science with Python" (by the University of Michigan).

[19/02/2020 – Current]

Certification

AWS CERTIFIED DEVELOPER - Associate