Francisco Javier Martínez Martínez

Murcia, Spain • linkedin.com/in/fjaviermm • fjaviermm.dev@gmail.com • Phone on request • https://fjaviermm.dev

Computer Engineer specialized in Information Technologies. Focused on backend and cybersecurity: designing APIs and services in Python (Flask), building CI/CD with GitHub/GitLab and Jenkins, and deploying with Docker/Kubernetes. Experience in IAM (Keycloak/XACML) and EU/national R&D projects; currently starting a Master's in Cybersecurity.

Skills

- **Technical**: Python (Flask) · Java · Docker/Kubernetes · CI/CD (GitHub/GitLab, Jenkins, Bash) · Keycloak/XACML · MongoDB · Elasticsearch · InfluxDB · Postman/Locust/k6 · Hyperledger Fabric (REST APIs and smart contracts) · JavaScript (Vue.js) · Node-RED · Go · FIWARE (Orion-LD, NGSI-LD/NGSIv2, Cygnus) · MQTT/LoRaWAN
- **Soft skills**: cross-team collaboration · ownership (self-management) · attention to detail · continuous learning
- **Languages**: Spanish (native) · English (B2, Cambridge)

Work Experience

Odin Solutions   Murcia, Spain
Junior Researcher   February 2023 – Present

- **PAP backend (cloud)**: **Flask** (**Python**) + **XACML**, containerized with **Docker** (EU project *MASTERPIECE*)
- **NGSI-LD/NGSIv2 ingestion and API**: from **Orion-LD** (**MongoDB**) to **Elasticsearch/InfluxDB**; data transformation and exposure in **NGSI-LD** and **NGSIv2** (EU project *MASTERPIECE*)
- **MQTT LoRaWAN agent**: **Python** (**Docker**); decodes and normalizes to **NGSI-LD**/**NGSIv2** for publication in Orion-LD; **~46% lower** average resource consumption than comparable open source agents
- **CI/CD & IAM**: **GitHub/GitLab**, pipelines with **Jenkins**, **Bash** scripts; **Keycloak** administration
- **R&D projects (EU and national)**: **MASTERPIECE**, **6G-PATH**, **UniMaaS**, **NINEMO**, **MAS4Care**, **EDS4Agro**; backend **APIs and services** on **Docker**/**Kubernetes**
- **Internal systems**: administration of **Overleaf**, **DokuWiki** and **ChartMuseum** (**Helm**)

Education

University of Murcia   Murcia, Spain
BSc in Computer Engineering, Information Technologies track   July 2024
Average grade: 7.24/10
Awarded "Matrícula de Honor" (highest grade) in Distributed Systems