

JAVIER VILLARTA MARTÍNEZ



Contact

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Education

IES Gaspar Melchor de Jovellanos
Madrid
Higher National Diploma (HND) – Multiplatform Appl
2024

Skills

- Programming**
Languages: Python, Java, PHP, JavaScript/TypeScript, SQL.
- Frameworks:** Angular, Flask, Spring Boot.
- Databases:**
PostgreSQL/PostGIS, MySQL, SQLite, MariaDB.
- GIS & Data:** QGIS, GDAL, shapefiles, TIFF, XML, CSV, JSON.
- DevOps & Tools:** Docker, Git/GitHub, Linux/Ubuntu, WSL.
- Cybersecurity:** Basic pentesting, JWT, secure authentication (**eJPT in progress**).

Professional Summary

Fullstack Developer with experience in backend and frontend development. Specialized in **multiplatform web applications, secure REST APIs, and GIS data management**. Hands-on experience in large-scale scientific projects (hydrology, big data). Currently expanding knowledge in **cybersecurity** (eJPT certification in progress). Motivated by **international environments (France, Canada)** and eager to contribute innovative solutions in IT and security.

Work Experience

App Developer

LAND WATER AND DAMS | Madrid | Abr 2024 - Actual

- Development of web components and **APIs** for real-time data visualization and analysis.**Integration of GIS data** using PostGIS, Leaflet, and Chart.js. **Project Highlight – EMBSAT (Hydrological Management Platform):**
- Optimization of daily concatenated task execution, reducing result processing times by **25%**.
- Design and integration of **REST APIs** for hydrological model management, automating ingestion of **100+ files per day**.
- Development of **interactive dashboards** with Angular/Chart.js, used by multidisciplinary teams across **three hydrographic basins**.

Languages

Spanish:	C2	English:	B2
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Experto		Intermedio alto	
Français:	B2		
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Intermedio alto			

Certificates

- Advanced GIS Systems Course (QGIS)
- French: B2 – DELF Certification
- eJPT (Junior Penetration Tester) – in progress