Alberto Jesús García-Márquez Varela

✉ albertojgmv@gmail.com
in alberto-garcia-marquez
📞 +34 644266197

I am a Computer Engineer with over 6 years of experience in software development, specializing in backend development with Python and Java. I have worked with frameworks such as FastAPI, Flask, and Django, building scalable and efficient APIs. I have managed CI/CD pipelines using Jenkins and worked with SQL databases (MySQL, Oracle, SQLite) and NoSQL databases (MongoDB).

I have contributed to process automation with Python, using BeautifulSoup and Selenium for scraping, and Pandas for data manipulation and cleaning. I work well in multidisciplinary teams, remain proactive in dynamic environments, and am motivated to grow as a Python backend developer within an innovative and impactful project.

In addition to Python, I have also worked with Java, particularly with Spring Boot, JPA, and Hibernate, developing scalable and secure REST APIs. I follow Agile methodologies (Scrum, Kanban) and value clean, maintainable code, adhering to SOLID principles and good architectural practices. My technical foundation, adaptability, and enthusiasm for learning enable me to tackle complex challenges and contribute to high-impact projects within collaborative and multidisciplinary teams.

I am currently in active job search and open to new professional challenges. I have recently completed two advanced courses: SOLID Principles and Clean Code (Udemy) and Advanced Python Programming, which have strengthened my skills in software design and development.

You can find more about me on my professional blog, which I am developing using Python, Flask, and Jinja2, available at **https://alberto-garcia-marquez-cv-blog.onrender.com**. The blog's source code is publicly available in my GitHub repository.

Work Experience

Mnemo, Madrid (Spain) | Software Engineer | 01/2023 - Present

- **REST API development with Java (Spring Boot) and Python(FastAPI/Django)**: Experience in designing, developing, and maintaining scalable APIs.
- **Frontend development**: Skilled with Angular, TypeScript, and Node.js, with a focus on user experience and security.
- **Unit and functional testing**: Experience in creating unit tests with JUnit 5, Pytest, and functional tests with Cucumber.
- **Swagger documentation**: Expertise in creating API documentation using Swagger (.yml files).
- **Automation with Ansible**: Automating build, testing, audits, and deployments to enhance efficiency.
- **CI/CD with Jenkins**: Managing continuous integration and deployment processes.
- **Monitoring & Logging**: Prometheus, Grafana, or ELK stack for system observability.
- **Quality and security tools**: Familiar with SonarQube, Dependency-Track for vulnerability scanning, and Elasticsearch for powerful search and analytics capabilities.
- **Project management with Jira**: Experience in task tracking and team collaboration.
- **Version control**: Proficient with SVN and Git for collaborative projects.

MEP-Projects, Seville (Spain) | Lead Software Engineer | 12/2020 - 12/2022

- Cross-platform app development using **Unity, Vuforia, and AR programmed in C#**, including API integration and AWS for model storage and management.
- Design and integration of **REST APIs** using **Python (FastAPI/Django).**
- **Task and process automation with Python**, including **web scraping** (BeautifulSoup, Selenium), **data manipulation** (Pandas), and backend logic.
- Contribution to organizational process improvement through digital tools and **Python automation**. **Developed desktop applications** for HR and the company CEO for project hour tracking, cost/benefit analysis, and more. Also created an Instagram bot recommending posts to businesses based on scraped data from popular accounts.
- **Web development** and maintenance, including domain and hosting setup.
- Basic graphic design knowledge for web and app interfaces, including the use of Figma for prototyping user flows and interfaces.

University of Seville, Seville (Spain) | Software engineer(research support technician) | 12/2019 - 12/2020

- **Data collection, cleaning, and formatting** for database storage.
- **Web scraping with Python** for data extraction.
- **MySQL database management** and **SQL**.
- Development with **PHP, JavaScript, HTML, Python.**
- **Web design** using **jQuery, Bootstrap, CSS.**

Sopra Steria, SA, Seville (Spain) | QA Tester | 6/2018 - 3/2019

- **Design and execution of functional test cases** .
- **Process automation development.**

- **Security audits** with manual testing and security scanners.
- Use of management tools like **HP ALM** and **Jira**.

Educations and Certifications

Master's in Computer Engineering (Distance learning) | University of Seville | Current - 2026
Bachelor's in Computer Engineering – Information Technologies | University of Seville | 2013 - 2018
Principios SOLID y Clean Code | Certified by Udemy | 04/2025
Advanced Python Programming | Certified by Edutin Academy | 03/2025
Redis for Java developers Certified | Certified by Redis | 12/2024
Get started with Redis Certified | Certified by Redis | 12/2024
Java SE 11 Developer 1Z0-819 OCP Course - Part 1 | Certificate of completion by udemy | 7/2024
Scrum Master Certified | Certified by europeanscrum.org | 7/2023
APTIS Certification - Level B2 | Certified by British Council | 5/2019

Technologies and Languages

Programming and Frameworks: Java, C#, LaTex, SQL, Python, JavaScript, TypeScript, Angular, Node.js, HTML, Django
Database & Web Design PostgreSQL, MySQL, Oracle, SQLite, MongoDB, jQuery, Bootstrap, CSS3, WordPress
Tools & Software: Nexus, Postman, Jenkins, Jira, OWASP ZAP, Wireshark, SQL Oracle Developer, CRM, ERP, DMS
Other: Teamwork, efficient client solutions, problem-solving, effective communication, organization, and data analysis