



MARCO D'ANTONIO

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Highly motivated software developer seeking an opportunity to expand my knowledge in a dynamic work environment. Committed to delivering high-quality results, I aim to contribute to a team-oriented organization while learning and adapting to new technologies.

WORK EXPERIENCE

NETSONS -- Software Developer

January 2025 - Present

Development and integration of new features and services. Collaboration with the systems department for infrastructure optimization. Implementation of scalable and web-optimized solutions. Process automation through CI/CD pipelines and containerization.

Stack used: PHP · JS · HTML5 · CSS · MySQL · Web RESTful Services · CI/CD · Docker

APTAR -- Internship, Design and Implementation of PoC

2023 - 2024

Accelerated the construction of the product dataset with a Python script for Blender. Trained a YOLO object recognition model and delivered to the marketing department a web, native mobile, and Apple Vision Pro application that leverages AI to enhance and power the model. The proof of concept worked both online and offline.

Stack used: Python · Angular · Ionic · CI/CD · Docker · Swift

EDUCATION

UNIVERSITY OF L'AQUILA -- Computer Science Degree (GPA: 3.6/4.0)

March 2025

Main courses: AI & Machine Learning: 30L, Web Technology: 30, Web Engineering & Advanced Web Development: 28. Focus on OOP and design patterns, full-stack web development, Python and Java, algorithms and data structures. Thesis: *Computer Vision and Mixed Reality for Product Prototyping with Apple Vision Pro.*

SIDE PROJECTS

CLOTHING E-COMMERCE

(JS · HTML5 · CSS · PHP · Bootstrap)

E-commerce application focused on an intuitive shopping experience, with search filters, advanced order management, shipping workflows, reviews, ratings, and an administration panel backed by MySQL.

UNIVERSITY CLASSROOM MANAGEMENT SYSTEM

(JS · HTML5 · CSS · Web RESTful Services · MySQL · OpenAPI)

I developed a website dedicated to the integrated management of events in a university environment. The platform coordinates classroom usage and recurring events such as lectures and academic activities, with classroom booking, event tracking, a custom admin panel for teachers and technicians, OpenAPI documentation, and a MySQL database.

MACHINE LEARNING RECOMMENDATION ENGINE

(Python)

I built an AI system that analyzes a dataset together with static and dynamic user preferences to suggest the most relevant entries. The solution is modular, reusable across domains, and designed to provide personalized recommendations for categories such as activities or recipes.

CAR RENTAL DESKTOP APPLICATION

(Java · JavaFX · HTML5 · CSS)

Full-stack vehicle rental application with an intuitive interface for users and efficient fleet administration tools for administrators. Designed to operate on both RAM and file-based storage systems, it demonstrates complete software design and application development capabilities.

EXTRA ACTIVITIES

MY HOMELAB

My passion for networks, systems administration, and IT infrastructure led me to create and maintain a small home lab that serves as my personal playground for research and development. I designed and implemented a complex home network with VLANs, VPNs, and advanced routing. The lab includes a Proxmox cluster with more than 20 services, game servers, a NAS with ZFS and RAID configurations, and a home automation system.

MY SPORT

International-level ballroom dancer with 15 Italian champion titles. I represent Italy in major international competitions, a background that reflects discipline, dedication, and consistency in performance.

OTHER INFO

SKILLS: Excellent communication skills, active listener, adaptability, exceptional leadership, mentor mindset, creative thinking.

LANGUAGES: Italian (Native), Fluent English (B2).

I authorize the processing of the personal data contained in my resume in accordance with LD. 196/2003 and EU Regulation 2016/679.