

Davide Modò

Software Engineer • Junior Web Developer | IT & Networking | Cybersecurity
Giarre (CT), Sicily, Italy • +39 392 508 7541 • mdavide838@gmail.com
linkedin.com/in/davide-modo/ • davidemodo.com

SUMMARY

Passionate and detail-oriented Junior Software & IT Engineer with a strong background in web development, IT infrastructure, networking, and cybersecurity. Proven problem-solving skills and hands-on experience in software and network architecture developed through technical education and practical projects. Certified in Cisco Networking & Cybersecurity, AICA ICDL Full, and Cambridge B1 English.

EDUCATION & CERTIFICATIONS

Diploma in Computer Science & Telecommunications (Perito Informatico) - 80/100

2026 I.T.I.S. "E. Fermi", Giarre (CT), Italy - software development, systems & networks, databases, cybersecurity

Certifications: CCNA: Switching, Routing, and Wireless Essentials (2026), Digital Safety and Security Awareness (2026), Introduction to cybersecurity (2025), IT Essentials (2024), Cybersecurity Essentials (2024), ICDL Full (2024), Cambridge B1 (2025)

SELECTED PROJECTS

Cooperative Aurora - WebSite (2026)

Developed a modern, responsive website for "Aurora Soc. Coop.", a social cooperative providing care and educational services in Giarre, Italy. The platform aims to enhance transparency, outline available services (home care, school transport, educational support), simplify recruitment, and ensure compliance with Italian whistleblowing regulations (D.Lgs. 24/2023).

- **Whistleblowing & Compliance:** Built a dedicated, secure reporting section and an archive for annual Social Reports (2021–2025) alongside ISO 9001 quality certifications.
- **Services & Accessibility:** Designed high-contrast, card-based layouts and clean navigation to present care services clearly to users of all technical levels.
- **Communication & Engagement:** Integrated dual contact forms for job applications ("Work with us") and general inquiries, paired with interactive maps.

Twins' Kitchen - WebSite (2026)

Developed a modern, responsive website for a local gastronomy business to showcase its products and services online. The platform provides customers with an intuitive way to explore menus, discover daily specialties, find business hours and location details, and easily contact the store across all devices.

- **Digital Menu & Showcase:** Created an organized product gallery categorized for easy navigation through dishes and specialties.
- **Data & Mobile Optimization:** Structured product data efficiently and built a fully responsive layout to ensure optimal viewing and fast loading on mobile devices.
- **Customer Contact & Info:** Integrated essential store information, including opening hours, location, and a dedicated contact section for customer inquiries.

ForestGuard - Distributed Solar LoRa Sensor Mesh (2024-2025)

STM32WL55, Embedded C, LoRa 868 MHz, SPI/I2C/UART, sensor fusion, backend integration

- Built a solar-powered, distributed LoRa mesh of STM32WL55 nodes for forest-fire and intrusion detection.
- Combined multi-sensor acquisition with adaptive thresholding to minimize false positives, feeding a backend for centralized monitoring.

TECHNICAL SKILLS

- **Languages:** C, C++, Python, JavaScript, SQL
- **Embedded & IoT:** STM32 (F4/WL55), Raspberry Pi, Arduino
- **Web:** HTML, CSS, JavaScript, PHP
- **System & Networking:** Linux, TCP/IP, routing & switching, VLAN, NAT, DHCP, TLS
- **Security:** cryptography, Burp Suite, Nmap, Wireshark, Ghidra
- **Foundations:** Data structures & algorithms, OOP, relational data modelling, software architecture, unit testing, Agile
- **Spoken Languages:** Italian (native), English (B1 Cambridge), Spanish (basic)