



ANGELO ROMANO

Computer Engineer & Cybersecurity
Specialist

CONTACT

- Italy
- +39 3806907092
- [GitHub](#)
- [LinkedIn](#)

LANGUAGES

- Italian — Native
- Spanish — Fluent
- English — Professional

PROGRAMMING

- C
- Go
- Java
- Python
- SQL
- Assembly (x86/x64)

WEB & BACKEND

- TypeScript
- Node.js
- Next.js / React
- REST APIs
- JWT / OAuth2

SYSTEMS & SECURITY

- Linux Internals
- Kernel-level concepts
- OWASP Top 10
- Secure coding
- Vulnerability assessment

DATA & STORAGE

- PostgreSQL
- MySQL
- MongoDB
- Redis

INFRASTRUCTURE

- Docker
- Microservices
- gRPC
- Kubernetes

EMBEDDED SYSTEMS

- Arduino
- RFID systems
- HW-SW integration

CERTIFICATIONS

Java Full Stack Developer
Orienta Direct

PROFILE

Computer Engineer with a strong focus on secure, scalable and high-performance systems. Currently pursuing a **Master's Degree in Computer Engineering (Cybersecurity)**, with hands-on experience across low-level programming, distributed systems and modern web architectures. Active as a freelance developer, delivering web applications, embedded solutions and secure system designs with an engineering-driven approach.

EXPERIENCE

Freelance Web & Software Developer | 2025 – Present

- Design and development of web applications using Next.js, React, TypeScript
- Implementation of performant architectures with SSG and optimized frontend delivery
- Development of backend services with Node.js, REST APIs, JWT/OAuth2 authentication
- Deployment and infrastructure management on modern cloud platforms
- Focus on performance, scalability and secure coding practices (OWASP Top 10)

Embedded Systems & Automation Developer | 2025 – Present

- Development of embedded systems using Arduino and microcontrollers
- Implementation of RFID-based systems and hardware-software integration
- Design of automation logic and real-time interaction systems
- Focus on reliability, low-level control and system robustness

Private Tutor | 2020 – Present

- Teaching of scientific and computer science subjects
- Development of structured learning methods and technical problem solving

Sales Associate — GameStop | 2019

- Customer support and technical product consulting

Operatore di Magazzino — Autofulfil Limited | 2018

- Inventory and logistics management

EDUCATION

M.Sc. Computer Engineering — Cybersecurity

Università di Roma Tor Vergata 2024 – Expected 2026

B.Sc. Computer Engineering

Università di Roma Tor Vergata **Grade: 109/110**

Diploma — Liceo Scientifico

PROJECTS

Linux Kernel Module — Syscall Throttling

C - Bash

- Kernel module for controlling system call execution rates
- Registration of processes, user IDs and syscalls via device driver
- Runtime monitoring and enforcement of execution limits

Distributed Microservices IDS

Go · Python · gRPC · Docker

- Distributed intrusion detection system based on microservices
- Focus: resilience, anomaly detection, distributed tracing

Kubernetes HPA Analysis

Python · Kubernetes

- Performance analysis of autoscaling under high load
- Focus: latency optimization and stability of the system

Audio Species Classification

TensorFlow · Keras · Librosa

- Machine learning model for audio-based species classification
- Training and evaluation of CNN models for classification accuracy