

Daniel Calzuolo

Software Developer & IT Specialist

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Skills & Tools

- **Languages & Tools:** Python, C#, Lua, JavaScript, HTML, CSS, C++, OpenAI API, RAG, Supabase, Twilio API, ElevenLabs API, Google Calendar API, Unity, Git, GitHub, WordPress, TrueNAS, Linux, Italian-English.
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Professional Experience

Server Administrator | *Freelance (Remote, Italy) | 2023 – Present*

- Engineered and managed a highly optimized custom Java Minecraft server supporting massive concurrent traffic for a community of +1M subscribers.
- Developed a custom authentication plugin utilizing Twitch and YouTube APIs to restrict server access exclusively to paying subscribers.

Game Modder & Developer | *Freelance (Clients: Poldo, Favij) | 2026*

- Performed C# reverse engineering on a Unity game to inject custom mechanics and completely overhaul visual assets and sprites, achieving massive adoption by top Italian creators (+6M subscribers).
- Developed the rhythm game "PoldHub" using Lua and Haxe, designing the UI and core mechanics from scratch.

AI & Automation Developer | *Freelance (Client: Daniele Galvani) | 2025*

- Designed an AI-powered digital receptionist utilizing the OpenAI API, integrated with a Supabase RAG system for contextual retrieval of business and service data.
- Automated appointment scheduling via Google Calendar API and managed VoIP flows with Twilio, utilizing ElevenLabs voice cloning to generate a realistic voice.

Backend Developer (Bots) | *Freelance (Remote, Italy) | 2022 – Present*

- Developed multi-platform bots (Discord, Slack, Telegram) in Python and JavaScript for community moderation, media streaming, and fully automated tournament registrations.
- Integrated webhook pipelines with external systems like GitHub for real-time commit notifications directly in chat channels.

Web Developer | *Freelance (Remote, Italy) | 2022 – Present*

- Developed responsive custom websites, landing pages, and CMS platforms (WordPress) optimized for local businesses (e.g., salons) and software distribution portfolios.

Hardware Technician & System Builder | *Freelance (Italy) | 2021 – Present*

- Assembled and optimized a wide range of systems: from standard domestic desktop PCs to custom HEDT workstations and enterprise servers (Dual Xeon, Threadripper) equipped with custom loop liquid cooling.
 - Performed hardware diagnostics and component-level repairs on PCs, laptops, smartphones, and consoles.
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Projects & Hobbies

- **TrueNAS Homelab:** Configured a personal server with TrueNAS for RAID storage, hosting services like Pi-hole, Plex, and dedicated game servers.
 - **3D Printer Overhaul (Anet A8):** Replaced the original mainboard with an MKS Robin, independently managing micro-electronic wiring, motor calibration, and custom firmware compilation.
 - **Hardwired Ergonomic Keyboard:** Built a custom mechanical keyboard from scratch, performing precision soldering and microcontroller programming.
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Education & Certifications

- **EIPASS 7 Moduli User Certification** | 2021
- **IT Technical Track** | Istituto d'Istruzione Superiore Silvio d'Arzo | 2021 – 2026