

Priamo Anfuso

PLC Programmer · Industrial Automation

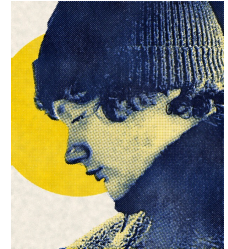
Siemens PLC programmer with a passion for AI: I commission automated plants and build the tools that help me work better.

Pistoia, Italy · born 2001

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■ PROFILE

PLC programmer since 2019, working on Siemens-based plants for synthetic fibre spinning. I write the software in the office and take it on site all the way to handover, with long assignments in China and Turkey. When a plant goes down, I stay until it is running again: on site until late or connected remotely. I enjoy my job and I enjoy experimenting: with AI, I have built tools tested on real projects, such as a bridge between TIA Portal and Claude.

■ SKILLS

Siemens PLC programming	TIA Portal: SCL, STL, LAD (also FBD and GRAPH); S7-1500, S7-1200, S7-300/400, ET 200
On-site commissioning	from the first power-up of the electrical panels to handover in automatic mode
Safety, networks and drives	F-CPU, PROFIsafe, safety laser scanners (SICK, Keyence), PROFINET, SINAMICS G120 and S120, WinCC Comfort HMI
Industrial robots	KUKA (KRL) and Kawasaki: programming and commissioning
AI for automation	TIA Openness Engine, Claude
Other	Arduino and small Wi-Fi systems · Python (basics) · Web: HTML, CSS, JavaScript (currently learning)

■ EXPERIENCE

PLC Programmer · Software Developer

October 2019 – present

IGH – Irico Gualchierani Handling S.r.l. · Calenzano (Florence), Italy

IGH designs and installs automated bobbin handling systems for synthetic and glass fibre spinning plants: doffing from the winders, transport, storage, sorting and robotic packing.

- I develop PLC and HMI software in Siemens TIA Portal (S7-1500/1200, safety, PROFINET, SINAMICS): I write the base software in the office, then adapt it on site to the customer's needs and to the issues that come up during commissioning, reporting to the head of the software department or the project manager.
- I commission plants on site on the software side, from the first power-up of the electrical panels to handover to the customer in automatic mode, with site assignments of several months in China (since 2021) and Turkey, and of a few weeks in Italy.
- I program and commission industrial robots in their native languages: KUKA (KRL) for palletising, packing and bobbin unloading; Kawasaki for bobbin handling.
- I test prototypes of new IGH machines in collaboration with Thema System, a group company.
- I work in a team with other programmers (including colleagues at a group company in Germany) and with the electrical and mechanical designers; on site, I work with electricians, mechanical supervisors and the customer.

PLANTS

2021–2023	Polyester spinning complex in China (Jiangsu), commissioned in phases
2024	Spinning plant in China (Hubei)
2025	New POY spinning plant in Turkey

SECTORS

synthetic continuous filament yarn (polyester and nylon: POY, FDY, DTY) · glass fibre · hosiery yarn

Intern

June 2018 – September 2018

HSG Engineering srl · Pistoia, Italy

Summer internship organised by my school: a small Arduino program for image recognition of pasta.

PROJECTS

I started out of curiosity, to see how far it could go. Now I use it every day: at work, through the tool I built for TIA Portal; to generate documents and PDFs; and in my personal projects.

TIA Openness Engine

C# / .NET · TIA Openness · MCP · Python

Connects TIA Portal to Claude through the Siemens Openness API: the AI creates the project and the hardware configuration (devices, PROFINET, I/O modules), writes and edits PLC blocks, tags and HMI screens, compiles the project and reviews hand-written code. I built it on my own with Claude Code and tested it on real projects.

PDF Editor

new version in progress

JavaScript · MuPDF (WebAssembly) · Tesseract OCR

A PDF editor that runs entirely in the browser: edit text in place on the page, highlight, sign, merge files and OCR scanned pages. Files never leave your computer.

GitHub github.com/Proivonz001/pdf-editor

EffeUno

Python (FastAPI, FastF1) · React · TypeScript

Interactive Formula 1 telemetry replay: load any race since 2018 and watch it recreated on an animated track map from real position data, with a live leaderboard with gaps, team radio and race-analysis charts. The public demo runs on a synthetic race.

Demo proivonz001.github.io/EffeUno / GitHub github.com/Proivonz001/EffeUno

Feishu MCP

TypeScript · Node.js · MCP

An MCP server that connects Claude to Feishu (Lark): 35 tools for messages, group chats, docs, Bitable bases, sheets, Drive folders, tasks and calendar. It works through a custom app created in your own Feishu workspace and can only access what you grant it.

EDUCATION

Technical secondary school diploma · Electronics and Electrical Engineering, Automation track

September 2014 – June 2019

I.T.T.S. Fedi-Fermi · Pistoia, Italy

COURSES

- KUKA: basic course and Programming 1
- Siemens TIA Portal: on-the-job training since 2019

LANGUAGES

Italian — native **English** — good command · Cambridge C1 Advanced **Chinese** — elementary

INTERESTS

Formula 1 · artificial intelligence · games