

CARLOS CAPITÃO

Industrial Automation Technician

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PROFILE

I have been working in industrial automation for around two years, during which I took on technical supervision responsibilities at EDACO. I have hands-on experience programming PLCs from the leading market brands — Siemens, Schneider and Allen Bradley — as well as industrial networks and SCADA systems. My background in IT allows me to approach systems in an integrated way, which has proven useful in the projects I have been involved in. I continue to provide consultancy to EDACO on request.

PROFESSIONAL EXPERIENCE

Technical Automation Supervisor — EDACO | 2023 – 2025

- Supervision and maintenance of automation systems in an industrial environment.
- Programming of Siemens, Schneider and Allen Bradley PLCs.
- Development and configuration of HMI interfaces for process monitoring.
- Implementation and maintenance of SCADA and DCS systems.
- Configuration of variable frequency drives (VFDs) and servo motors.
- Diagnosis and troubleshooting of faults in industrial networks (ProfiNet, ProfiBus, ModBus).
- Preparation and presentation of automation projects to company management.
- Ongoing technical consultancy following the end of the employment contract.

TECHNICAL SKILLS

PLCs & Control

- Siemens S7-300/400/1200/1500
- Schneider (Modicon)
- Allen Bradley (RSLogix)
- Ladder, FBD, ST, SFC
- Motion Control: VFDs & Servo Motors

Networks & Protocols

- ProfiNet / ProfiBus
- ModBus RTU / TCP
- EtherNet/IP
- I/O Link
- Signals: 4-20mA, 1-5V, 0-10V

Systems & Safety

- SCADA & DCS
- HMI (WinCC, FactoryTalk)
- Industrial Instrumentation
- Sensors & Final Elements
- HAZOP, SIS, ICSS, F&G
- Industrial Robotics

LANGUAGES

Portuguese — Native

English — Fluent (spoken and written)

ACADEMIC BACKGROUND

Bachelor's Degree in Computer Science

Universidade Agostinho Neto — Luanda, Angola | 2014 – 2026

Unified IT Implementation Course

IPVx — Luanda, Angola | 2025

Industrial Electricity & Electrical Control Systems

EDACO — Luanda, Angola | 2023