

GUILHERME TEODORO RODRIGUES

Professional Summary

Automation Field Service Specialist with 4+ years of hands-on experience in industrial environments, specializing in PLC programming (Siemens/Allen-Bradley), HMI design, and OT/IT integration. Proven track record in commissioning, troubleshooting, and reducing downtime in manufacturing sectors.

- Mobility: Fully available for extensive travel, site acceptance testing (SAT), and on-site commissioning.
- Key Tech: Siemens TIA Portal, Studio 5000, Industrial Networks (Profinet/EtherNet/IP), and Safety Systems.
- Visa Status: Brazilian Citizen.
- Eligible for Sponsorship / Critical Skills Employment Permit.

Contact

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 <https://progt07.github.io/Portfolio/>

 Brazil, Goiânia

Technical Skills

- PLC & HMI: Siemens S7-1200/1500 (TIA Portal), Allen-Bradley ControlLogix/CompactLogix (Studio 5000), Schneider Electric (SoMachine), FactoryTalk View SE/ME, WinCC Unified.
- Industrial Communication: PROFINET, PROFIBUS, EtherNet/IP, Modbus TCP/RTU, OPC UA, IO-Link.
- Drives & Motion: VFD Configuration (PowerFlex, SINAMICS), Servo Drives (Kinetix).
- OT/IT & Scripting: Python (Pandas) for industrial data logging, SQL Server integration, Power Automate (RPA for OT workflows), IoT Dashboards.
- Standards: IEC 61131-3, Electrical Schematics interpretation.

Soft Skills

- Problem Solving
- Cross Functional Collaboration
- Process Optimization
- Proactivity

Languages

- Portuguese: Native
- English: Professional Working Proficiency (IELTS General: CLB 6 - Currently preparing for CLB 7)

Professional Experience

Automation & OT Integration Specialist

Grupo Odilon Santos Ltda. | Brazil | May 2024 – Nov 2025 Bridged the gap between Operational Technology (OT) and IT, optimizing industrial data flow.

- Engineered custom API and SQL integrations to extract real-time production data from legacy factory systems, enabling live OEE monitoring.
- Developed automated workflows (RPA/Python) to handle industrial reporting, reducing manual data entry by 70% (approx. 200 hours/year).
- Mapped complex shop-floor processes using BPMN to identify bottlenecks and implement digital control solutions.
- Conducted rigorous QA testing on software-hardware interfaces to ensure data integrity across the production network.

Control Systems Specialist

Brava Soluções Ltda. | Brazil | May 2021 – May 2023 Executed full-cycle automation projects from electrical design to on-site commissioning.

- Programmed and commissioned PLC/HMI systems (Siemens & Allen-Bradley), directly contributing to a 25% increase in production line output.
- Configured EtherNet/IP and Modbus networks for reliable communication between PLCs, VFDs, and remote I/O modules.
- Performed site troubleshooting and fault analysis on electrical panels and control loops, minimizing unplanned downtime.
- Integrated supervisory systems (SCADA) with SQL databases for historical data logging and trend analysis.

Industrial Automation Analyst

Wtecc Engenharia Ltda. | Brazil | Mar 2020 – Aug 2020

- Analyzed manufacturing processes to identify material inefficiencies, implementing logic changes that reduced waste by 18%.
- Assisted in the electrical maintenance of control panels and field instrumentation.

Education

Technologist in Industrial Automation (3-Year Diploma) Faculdade SENAI Ítalo Bologna | Brazil | 2017 – 2019

Faculdade de Tecnologia SENAI Ítalo Bologna | 2017-2019

- Credential Assessment:
- Canada: IQAS Validated (Comparable to 3-year Post-Secondary Diploma).
- Europe: Comparable to EQF Level 6/Level 7 (Subject to NARIC validation).
- Key Coursework: Industrial Robotics, Process Control, PLC Programming (IEC 61131-3), SCADA Systems.