

GUILHERME TEODORO RODRIGUES

Professional Summary

Senior Automation Specialist with 4 years of experience bridging the gap between Industrial Operational Technology (OT) and IT Software Development. Expert in PLC Programming (Siemens, Allen-Bradley) and RPA Architecture (Power Automate, Python). Proven track record of reducing manual workloads by 70% and integrating SQL databases with factory-floor systems for real-time monitoring. Adept at full-cycle development from stakeholder requirements (BPMN) to deployment and governance.

Contact

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Technical Skills

- RPA & Software Development:
Microsoft Power Automate, Python (Pandas/Selenium), C#, API Integration, BPMN Workflow Design.
- Industrial Automation (PLC/HMI):
Schneider Electric, Siemens (TIA Portal), Allen-Bradley (Logix 5000), WEG, VFD Configuration.
- Data & Databases: SQL Server Integration, Power BI Visualization, Real-time Production Monitoring, ETL Processes.
- Systems & Networking: OT Networks (EtherNet/IP, Modbus, DeviceNet), SCADA Systems, Industrial IoT (IIoT).

Soft Skills

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

Languages

- English: Professional Working Proficiency (IELTS General: CLB 6)
- Portuguese: Native Speaker
- French: Basic Proficiency

Professional Experience

Software Developer (RPA)

Grupo Odilon Santos Ltda. | May 2024 – Nov 2025
Aligned with NOC 21232 – Software Developers

- Architected and deployed 10+ enterprise-grade RPA solutions using Python and Power Automate, achieving a 70% reduction in manual data entry and saving 200+ labor hours annually.
- Designed custom APIs to bridge legacy internal systems with modern workflow tools, enhancing data integrity across departments.
- Led requirements gathering sessions to map business processes into BPMN models, reducing process documentation errors by 30%.
- Implemented rigorous QA testing protocols and created comprehensive technical documentation for ongoing system maintenance.

Control Systems Specialist

Brava Soluções Ltda. | May 2021 – May 2023
Aligned with NOC 22310 – Electrical and Electronics Engineering Technologists

- Engineered and programmed industrial control systems using PLCs and HMIs (Schneider, Siemens, Allen-Bradley), directly contributing to a 25% increase in production output.
- Integrated SQL databases with supervisory systems to enable real-time data logging and production dashboarding for management.
- Designed secure OT networks utilizing EtherNet/IP and Modbus protocols to ensure reliable communication between VFDs and controllers.
- Conducted technical site surveys and fault analysis to troubleshoot complex electrical failures, minimizing unplanned downtime.

Industrial Automation Analyst

Wtecc Engenharia Ltda. | Mar 2020 – Aug 2020

- Conducted data-driven analysis of shop-floor manufacturing processes to identify bottlenecks and material inefficiencies.
- Implemented process optimization strategies that reduced material waste by 18%, significantly lowering operational overhead.

R&D Team Lead (Robotics)

SENAI Ítalo Bologna | Jun 2019 – Dec 2019

- Designed and programmed a delta robot for industrial applications, improving assembly line efficiency by 40%.

Education

Technologist in Industrial Automation (3-Year Diploma)

Faculdade de Tecnologia SENAI Ítalo Bologna | 2017-2019

- Credential Evaluation: IQAS Validated (Canadian Equivalency: Three-year post-secondary diploma).
- Key Coursework: Industrial Robotics, Process Control, PLC Programming, Information Technology.