



Roni Araujo Nanini

Computer Engineer

PROFILE

Brazilian Computer Engineer, 36 years old, with 17 years of comprehensive experience in the building automation and electronic security industry, spanning installation, programming, project design, team coordination, and technical pre-sales. Proven ability to bridge the gap between complex technical solutions and client business needs. Now seeking to leverage this extensive background in new technologies and take on new responsibilities. A long-time Linux enthusiast and user since Ubuntu 12.04, with a passion for connected device architectures.

CONTACT

- **Home:** São Paulo – Brazil (GMT-3)
- **Website:** www.roni.engineer
- **LinkedIn:** www.linkedin.com/in/nanini
- **Email:** roni.nanini@hotmail.com

SKILLS

- Automation Systems (BMS)
- Electronic Security Systems
- Embedded Systems
- Communications Protocols
- Real-time Telemetry Data Collection
- Backend & Infrastructure
- Python, Git, MicroPython, Rust, C, C++
- SQL, MySQL
- End-to-End IoT Solution Design
- Linux User Since Ubuntu 12.04
- Hardware/Software Integration
- Technical Sales & Pre-Sales
- Small Team Leadership & Coordination
- Solution Architecture

LANGUAGES

- Portuguese (Native)
- English (Upper-Intermediate)
- Spanish (Basic)

EDUCATION

- **2010 - 2015:** Bachelor's Degree in Computer Engineering, Universidade Metodista de São Paulo (UMESP).
- **2005 - 2007:** Technical Degree – Maintenance Electrician, SENAI, São Paulo.

WORK EXPERIENCE

Project Designer Convergent

5 Years (Jan 2021 – Dec 2025)

Development of medium and large-scale technical pre-sales solutions; system architecture design; solution pricing and presentation; project execution follow-up. Experience with technical solutions for industrial, agribusiness, datacenter, logistics, and healthcare environments.

Main technologies: AutoCAD; Excel; PLC controllers; Embedded controllers; CCNA practices; CCTV; Access control; Presence radars; IoT.

Business Developer Viridi Technologies

2 Years and 2 Months (Jan 2019 – Feb 2021)

Development of small and medium-scale technical sales and pre-sales solutions; system deployment architecture design; solution pricing and presentation; project execution follow-up.

Main technologies: PLC controllers; Embedded controllers; CCNA practices; Linux and Windows Server infrastructure; CCTV; Access control; IoT.

Development Coordinator Engemon

11 Months (Nov 2017 – Set 2018)

Coordination of internal system development team; logic for project execution; graphical screens; project execution monitoring within contracted scope; development of management reports for project execution, cost, and timeline.

Main technologies: AutoCAD; Excel; PLC controllers; Embedded controllers; Linux and Windows Server infrastructure; Integrations via SQL and API; BACnet serial and IP; Modbus serial and IP; Ladder, block, C, and C++ logic.

Automation Technician III Engemon

2 Years and 4 Months (Aug 2015 – Nov 2017)

Installation and programming of building automation systems; fire detection and alarm systems; CCTV; access control systems; system integration with central management; installation and calibration of sensors and actuators; executive project design; supervisory system programming; graphical screen development; coordination of third-party installation teams; as-built documentation. Experience with datacenters, port zones, industrial, and healthcare environments.

Main technologies: AutoCAD; Excel; PLC controllers; Embedded controllers; Linux and Windows Server infrastructure; SQL integrations; BACnet serial and IP; Modbus serial and IP; Ladder, block, C, and C++ logic.

Internship (Undergraduate) Solvay

1 Year (Jan 2014 – Jan 2015)

Internship program working with internal technical documentation organization and master data structuring in SAP.

Main technologies: Google Workspace; SAP

Systems Technician Johnson Controls

2 Years and 9 Months (Apr 2011 – Dec 2013)

Installation and programming of building automation systems; fire detection and alarm systems; CCTV; access control systems; system integration with central management; installation and calibration of sensors and actuators; executive project design; supervisory system programming; graphical screen development; coordination of third-party installation teams; as-built documentation. Experience with datacenters, port zones, industrial, and healthcare environments.

Main technologies: AutoCAD; Excel; PLC controllers; Embedded controllers; Linux and Windows Server infrastructure; SQL integrations; BACnet serial and IP; Modbus serial and IP; Ladder, block, C, and C# logic.

Technical Support

Mersh Automação e Sistemas

2 Years e 3 Months (Feb 2009 – Apr 2011)

Technical support for CCTV and access control system projects, at hardware and software installation level; pre-commercial electronic project design and system deployment for clients.

Main technologies: AutoCAD; Excel; IP CCTV; CCNA practices; CAN bus; Wiegand; Device I/O automation.