JÔNATAS CEDRO

RAILWAY SYSTEMS ENGINEER | SIGNALING & ROLLING STOCK MAINTENANCE

São Paulo, Brazil | +55 21 96808-9103 | jntcedro@hotmail.com

PROFESSIONAL SUMMARY

Railway professional with 11+ years of experience in the rail industry, specializing in on-board systems implementation (Automatic Train Protection – ATP), rolling stock maintenance, and railway signaling engineering. Experienced in integrated projects involving signaling systems and on-board equipment, combining technical expertise and a systems-level perspective to support safe, efficient, and innovative railway operations.

PROFESSIONAL EXPERIENCE

ALSTOM | **Systems Engineer**
June 2026 – Present
- Developing signaling track plans, from input data collection through technical specifications and route tables.
- Performing performance simulations, including Redway analysis and safe stopping distance calculations.

MRS LOGÍSTICA | **Signaling Projects Specialist**
April 2023 – May 2026
- Contributed to all phases of railway signaling projects, from conceptual design discussions through detailed engineering drawings.
- Worked with relay-based and microprocessor-based systems, axle counters, and related signaling technologies.

VLT CARIOCA | **Rolling Stock Maintenance Supervisor**
May 2017 – April 2023
- Managed maintenance activities for VLT Carioca trains and coordinated rolling stock maintenance teams.
- Oversaw corrective and preventive maintenance across mechanical, electrical, automation, and on-board systems.

JMS / ALSTOM | **Railway Electromechanical Technician**
May 2016 – April 2017
- Worked on Alstom's VLT Carioca commissioning and warranty team.
- Performed maintenance on electrical, mechanical, electronic, and software-related equipment.

MATIS DO BRASIL / BOMBARDIER | **Railway Electrician**
January 2015 – January 2016
- Performed technical electronics work for the implementation and maintenance of SuperVia's new Automatic Train Protection (ATP) system.
- Installed software and carried out electrical installations as part of services provided to Bombardier.

ESTAMPARIA ESPERANÇA LTDA. | **Production Planning and Control Assistant**
July 2013 – July 2014
- Monitored production of paint cans, prepared production schedules, and controlled inventory.

SISTEMA GLOBO DE RÁDIO | **Electronics Intern**
February 2013 – June 2013
- Provided field electronics support at external events, including soccer matches and concerts.
- Maintained electronic equipment and supported audio operations.

EDUCATION

- B.S. in Electrical Engineering — Universidade Estácio de Sá
- B.S. in Industrial Automation — Universidade Estácio de Sá
- Technical Diploma in Electronics — Escola Técnica Estadual Visconde de Mauá

TECHNICAL SKILLS

Railway Signaling | Automatic Train Protection (ATP) | Rolling Stock Maintenance | Relay-Based and Microprocessor-Based Signaling | Axle Counters | On-Board Systems | Commissioning | Preventive and Corrective Maintenance | Route Tables | Performance Simulation | Redway | Safe Stopping Distance Analysis | SAP | AutoCAD | Microsoft Office

CERTIFICATIONS & ADDITIONAL TRAINING

- SAP — VLT Carioca (December 2017)
- NR-10 Electrical Safety — VLT Carioca (December 2017)
- NR-35 Working at Heights — VLT Carioca (December 2017)
- NR-10 Electrical Safety — SENAI-RJ (April 2010)
- Building Electrical Installation — SENAI-RJ (April 2010)
- AutoCAD and Microsoft Office (2009–2011)

LANGUAGES

Portuguese: Native | English: Intermediate | Spanish: Intermediate