

Leonardo de Lima Junior

Brazilian, (07/25/1991), Married

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PROFESSIONAL SUMMARY

Multidisciplinary engineer with a focus on mechanical engineering and industrial design, driven by a polymath mindset and a "zero-rework" philosophy. Expert in power transmission systems, heavy manufacturing, and process automation. Proven track record in leveraging technology (python, vba, local ai) and six sigma methodologies to drive operational efficiency and economic viability. Currently expanding strategic business expertise through a b.s. in business administration to integrate technical precision with corporate profitability.

EDUCATION

- **B.S. IN MECHANICAL ENGINEERING** – UNIFATECIE (IN PROGRESS - 2028)
- **B.S. IN BUSINESS ADMINISTRATION** – UNIVESP (IN PROGRESS - 2028)
- **B.S. IN CIVIL ENGINEERING** – INSTITUTO MARIA IMACULADA (2020)
- **MBA IN PROJECT MANAGEMENT** – ESTÁCIO (2026)
- **TECHNICAL DEGREE IN METALLURGY** – ETEC TRAJANO CAMARGO (2012)

PROFESSIONAL EXPERIENCE

Martin Sprocket & Gear do Brasil | *Mechanical Project Specialist* | Sep 2013 – Present

- Lead the engineering design and calculation of high-complexity power transmission components (gears, sprockets, pulleys, and specialized couplings), design, improvement and cost reduction;
- Develop technical solutions for heavy-duty material handling systems (belt and screw conveyors) for the chemical, pulp & paper, and agro-industrial sectors.
- Implemented automated calculation tools using Python and VBA to eliminate design errors and reduce lead time by 30% ("Zero-Rework" initiative).
- Manage technical quality standards and provide specialist support for large-scale manufacturing processes, including CNC machining and specialized welding.
- Act as a technical consultant for strategic clients, ensuring mechanical reliability and asset performance in the field.

Indústria Elétrica Marangoni Maretti | *Operations & Process Analyst* | 2013

- Optimized manufacturing scheduling and inventory control for electrical components.

Trelcamp Ind. e Com. | *Technical Assistant (Maintenance & Processes)* | 2012

- Analyzed and resolved critical failures in wire drawing and welding equipment, improving OEE (Overall Equipment Effectiveness).

TRW Automotive | *Machinery Operator & Technical Instructor* | 2010 – 2012

- Operated heavy stamping and casting machinery.
- Designed and delivered technical training on Metrology, Stamping, and Industrial Safety for new operators.

CORE COMPETENCIES

- **Engineering specialist:** advanced mechanical design, asset integrity, and power transmission systems and improvement.
- **Methodologies:** six sigma black belt, lean manufacturing, rcm (reliability centered maintenance).
- **Design tools:** Solid Edge (expert level), autocad (profesional), inventor(profesional), solidworks (advanced), freecad (expert level).
- **Tech & innovation:** python-based automation, database management for engineering (sql), and customized cad integration.
- **Languages:** portuguese (native), english (fluent), spanish (fluent), chinese (level 3 – in process).