

Carlos Rubén Tosoratto



Data Analyst | Advanced Excel, Power BI & SQL | Process Optimization & Business Insights

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Professional Summary

Data Analyst with an Engineering background and over 10 years of experience in process optimization and project management. Skilled in Excel, Power BI, and SQL, applied to creating interactive dashboards, automating tasks, and generating actionable business insights. Experienced in designing control dashboards, improving procedures, and collaborating with multidisciplinary teams. Intermediate-advanced English.

Education

Mechanical Engineering – UTN Rosario

Feb 2006 – Dec 2013 | Rosario, Argentina

Technician in Electromechanical Equipment – EET No. 466

Jan 2000 – Dec 2005 | Rosario, Argentina

Certifications & Courses

- Microsoft Power BI Desktop for Business Intelligence - Udemy (2025)
- CS50's Introduction to Databases with SQL – Harvard, EdX (2025)
- Power BI Complete in 14 Days – Udemy (2025)
- Google Data Analytics Professional Certificate – Coursera (2024)
- Design and Calculation of Ventilation Systems – UTN Rosario (2023)
- Advanced Finite Element Analysis with SolidWorks – UTN Resistencia (2021)
- Finite Element Simulation with SolidWorks – UTN Resistencia (2018)

Technical Skills

Data & Analysis: Excel (Advanced), Power BI (Intermediate), Tableau (Intermediate), SQL (Intermediate), R (Basic).

Languages: English (B2), Portuguese (A2), Spanish (Native).

Mechanical Design: SolidWorks, Inventor, Fusion 360, AutoCAD, 3D Printing.

Simulation & Modeling: FEA with SolidWorks, COMSOL, Technical Drawings, PLC.

Graphic Design: Canva, Figma.

Professional Experience

Project Engineer (Founder) – CRAM Ingeniería | Jan 2022 – Present | Rosario, Argentina

- Designed and prototyped industrial equipment using 3D printing and SolidWorks
- Conducted FEA simulations to optimize durability and reduce costs
- Developed Power BI dashboards and automated reports with SQL and Excel
- Reduced development time through agile prototyping and iterative CAD

Technical Advisor (Partner) – CRT Metalurgia | Mar 2004 – Present | Rosario, Argentina

- Programmed and maintained CNC and automatic lathes
- Designed and automated jigs and manufacturing devices
- Implemented control panels for production management

Product Engineer – Metrofund SRL | Nov 2020 – Mar 2022 | Rosario, Argentina

- Designed pneumatic suspensions for trucks and trailers
- Integrated data analysis tools to support production
- Improved production layout for higher efficiency

Product Engineer – Danes SRL | Oct 2017 – Nov 2020 | Roldán, Argentina

- Designed semi-trailers and tank chassis according to ADR standards
- Performed FEA structural simulations on trailer components
- Developed welding templates and redesigned accessories

Plant Engineer – Axel S.A. | Oct 2016 – Sep 2017 | Rosario, Argentina

- Developed control panels for preventive maintenance and production quality
- Led documentation for product certifications
- Supervised quality control in assembly and sheet metal areas

Project Engineer – Ingeniería + Diseño (I+D) | Mar 2014 – Sep 2016 | V.G. Gálvez, Argentina

- Designed industrial machinery and custom devices
- Prepared technical drawings and managed manufacturing processes
- Wrote technical manuals and calculation reports

Assistant Researcher – UTN Rosario | Feb 2011 – Dec 2012 | Rosario, Argentina

- Conducted FEA simulations using COMSOL
- Prepared papers and reports for engineering conferences

Projects

- **OList** – SQL database & Power BI dashboards
- **Electromás** – Sales & operations visualization | Power BI
- **Frutifresco** – Business performance analysis | Power BI
- **US Food** – Automated operations reporting | Power BI
- **Sales Dashboard** – E-commerce KPIs | Power BI