

IGOR MACHADO

Caxias do Sul, Brazil

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PROFESSIONAL SUMMARY

Transit Systems Specialist with 10+ years of experience in public transport planning, fare policy design, and operational technology implementation. Delivered measurable performance improvements across 20+ transit operators in Brazil, LATAM, and Europe. Strong background in network optimization, driver scheduling efficiency, cost modeling, and public sector modernization.

PROFESSIONAL EXPERIENCE

Solutions Engineer | Optibus | 2023–2025

- Led technical implementation of transit planning SaaS for 20+ operators across 5 Brazilian states, LATAM, and Europe
- Achieved up to 10x ROI in selected optimization projects
- Improved driver scheduling efficiency to 99%+
- Conducted operational diagnostics and planning system integration
- Reduced manual planning complexity through automation tools

Innovation Engineer | Municipality of Caxias do Sul | 2025–Present

- Support implementation of public sector innovation frameworks (POC, Sandbox, CPSI)
- Structure pilot testing processes for emerging mobility and technology solutions
- Coordinate cross-department technical initiatives
- Contribute to digital transformation and performance-oriented governance

Transportation Engineer / Coordinator | Municipality of Caxias do Sul | 2014–2023

- Led development of the municipality's first Mobility Master Plan in over a decade
- Designed technical framework for urban bus fare subsidy policy
- Built structured Excel-based cost modeling system for transit financial analysis

- Coordinated multidisciplinary planning team
- Strengthened data-driven decision-making processes in public transport

EDUCATION

MSc Transportation Engineering | University of São Paulo (USP)

BSc Civil Engineering | Federal University of Rio Grande (FURG)

Technologist in Data Science | Universidade Cruzeiro do Sul

CS50 – Introduction to Computer Science (in progress, expected Mar 2026) | Harvard University

TECHNICAL SKILLS

Transit Planning: Network redesign • Fare modeling • Accessibility metrics • Performance KPIs

Data & Analysis: Excel (advanced) • SQL • Basic Python • Data modeling

Transit Systems & Standards: GTFS • Operational cost analysis • Scheduling logic

Implementation & Governance: SaaS deployment • Vendor coordination • Public sector procurement frameworks