

BRIAN MONTERO PONCE

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Telematics Civil Engineer with experience in backend development, API integrations, serverless architecture, and process automation. I have built solutions that reduced operational time by up to 80%, achieved 100% traceability, and optimized sales and logistics through real-time dashboards and data pipelines.

Proficient in Node.js, Supabase, AWS, Vercel, SQL databases, and AI tools (RAG, embeddings, and agents). I specialize in system integration, API design, and automated workflows with a strong focus on scalability and operational efficiency.

PROFESSIONAL EXPERIENCE

Integration & Automation Engineer – MILYTICS SPA | Jul 2025 – Dic 2025

- Backend development and API integrations for sales, logistics, and internal operations.
- Real-time dashboards using Supabase for commercial and operational metrics.
- Serverless architecture with Node.js and Edge Functions.
- Intelligent automation using AI (embeddings, RAG, agents) to reduce manual tasks.

Head of Integrations & Automation – Ventastore Chile SPA | May 2025 – Jul 2025

- Logistics dashboard with ODT and ZPL, reducing order confirmation time by 80%.
- Sales dashboard with 6+ month projections, reducing stockouts by 30%.
- Automated cash closing using AppSheet, achieving 100% traceability.
- Internal bots for security and metrics, reducing repetitive tasks by 70%.

Cloud Engineer Intern – Sixbell (Sixtra SA) | Apr 2024 – Jun 2024

- Automation of post-service surveys using AWS Lambda and Genesys Cloud APIs.
- Web interface development with Node.js and Express to standardize EPA infrastructure.
- Microservices integration and serverless workflows to optimize internal operations.
- Support in cloud deployments and automation processes.

Digital Electronics Laboratory Teaching Assistant – UTFSM | Aug 2022 – Dic 2023 | Aug 2024 – Dic 2024

- Academic support in digital circuits and systems analysis.
- Use of LTSpice and Tinkercad for simulation and laboratory assistance.
- Student mentoring for projects and digital electronics exercises.

EDUCATION

Integration & Automation Engineer

Universidad Técnica Federico Santa María | 2018 – 2024

THESIS PROJECT

IoT and Blockchain Platform for Energy Exchange Between Electric Vehicles | Apr 2024 – May 2025

- Smart Contract implementation in Hyperledger Besu for energy traceability between electric vehicles.
- Modular architecture design integrating MetaMask, Remix IDE, and IoT devices.
- Scalability and efficiency validation for future applications in urban Smart Grids.

TECHNICAL SKILLS

- Backend / APIs: Node.js, Express, REST APIs, Webhooks, JSON, serverless, Supabase Edge Functions
- Integrations / Data: APIs, pipelines, microservices, Supabase, PostgreSQL, SQL, data modeling, RLS
- Cloud / DevOps: AWS, Vercel, Cloudflare, CI/CD, Docker
- Applied AI: LLM integration, embeddings, RAG, agents, vector databases
- Automation: n8n, AppSheet, Make, event-driven workflows
- Frontend: React, Vite, Tailwind CSS
- IoT / Blockchain: ESP32, MQTT, prototyping, Hyperledger Besu, Solidity

SOFT SKILLS

I demonstrate strong analytical thinking focused on efficient problem-solving, along with solid project management capabilities and rapid adaptability to new environments and technologies. I communicate clearly and effectively within multidisciplinary teams and stand out for fast learning, allowing me to tackle technical challenges with precision and confidence.

Languages: Spanish: Native, English: Upper-Intermediate (B2)