BRIAN J. MONTERO PONCE
Civil Telematic Engineering

📞 +569-75398637

✉️ pmontero.brian@gmail.com

in /bmonterop

🌐 bmontero.com

📍 Coquimbo, Chile

EDUCATION

Universidad Técnica Federico Santa María, Valparaíso

Civil Engineering in Telematics
2018 - 2024

EXPERTISE

IoT & Embedded Systems:
- IoT, WSN, hardware prototyping (ESP32/Arduino), MQTT.

Blockchain & Web3:
- Smart Contracts (Solidity, Hyperledger Besu).
- DApps (MetaMask, Remix IDE), wallet integrations, ERC-20/721.

Software Development & Automation:
- APIs (Node.js, Express, Docker).
- Low/no-code automation (n8n, Make).
- Web scraping, event-driven workflows.
- CRM & DB development (Supabase, Postgres, RLS).

AI & Intelligent Systems:
- Agentic workflows, AI assistants, LLM integrations.
- RAG, embeddings, vector DBs.
- Automation + analytics for SMEs.

Cloud & DevOps
- AWS, GCP, Vercel, Cloudflare.
- Docker orchestration, CI/CD.
- Serverless & edge functions.

Data & Analytics
- ETL pipelines, data modeling.
- Real-time dashboards and metrics.
- BI for sales, logistics & ops.

Frontend & Product
- React, Vite, Tailwind, internal tools.
- Multi-tenant SaaS architecture.
- E-commerce/ERP API integrations (WooCommerce).

Energy & Smart Systems
- Smart Grids, EV energy management, demand response.

LANGUAGE

Spanish: Native

English: Intermediate (B2)

Experience

Jul 2025 - Dic 2025
MILYTICS SPA | Providencia 1208 OF 1603, Santiago.

Leader of Integration and Automatization

Design and solve automation solutions for e-commerce and internal operations, connecting different sales and management channels into a single ecosystem. Implementation of API integration and low-code/no-code flows with n8n and data bases in Supabase, together with dashboards in real time for analysis of sales, metrics and logistics. My role combines strategic vision with technical execution, ensuring escalability, tracking and efficiency in each project.

May 2025 - Jul 2025
VENTA STORE CHILE SPA | Baquedano 622, Coquimbo.

Leader of Integration and Automatization

Enabled to translate trading requirements into low-code/no-code flows, API integrations and dashboards to optimize e-commerce operations.
- Implemented a Logistics Dashboard with ODT and ZPL labels, reducing the order confirmation time from 3–5 days to less than 24 hours (-80%).
- Unlocked Sales Dashboards with dynamic filters and projects, we log inventory planning for 6+ months and reduce stock balances by 30%.
- Automatization of the digital crate with AppSheet, allows 100% tracking and eliminates manual errors.
- Integrate bots into Telegram that structure security processes, metrics and updates, reducing the team's repetitive faults to 70%.

Abr 2024 - May 2025
Universidad Técnica Federico Santa María | Av. España 1680, Valparaíso

Graduation Project

I developed an innovative IoT and blockchain-based platform for energy exchange between electric vehicles in smart parking facilities. The project integrated advanced technologies such as Hyperledger Besu and smart contracts, ensuring security, transparency, and traceability in energy transactions.

I implemented a modular architecture using tools like MetaMask and Remix IDE, optimizing system management and automation.

The results validated the technical feasibility and scalability of the solution, highlighting its potential to promote sustainability and energy efficiency in urban environments.

Abr 2024 - Jun 2024
Sixbell - Sixtra SA | Av. Apoquindo 5950, Las Condes, Región Metropolitana.

Professional Practice

During my internship at Sixbell, I worked on automating post-care surveys (PCS) using technology tools such as AWS and Genesys Cloud. I implemented Lambda functions and developed REST APIs. Additionally, I developed a web interface with Node.js and Express to implement the APIs provided by Genesys Cloud and standardize the PCS infrastructure.

I learned to solve technical problems, work in a team, and improve my skills in systems integration and web development. This experience allowed me to grow professionally and contribute effectively to the company's projects.

Ago 2022 - Dic 2023, Ago 2024 - Dic 2024
Universidad Técnica Federico Santa María | Av. España 1680, Valparaíso.

Digital Electronics Laboratory Assistant

As an assistant, my role focuses on supporting students in mastering basic electronics and its components, such as resistors, diodes, and transistors. I also facilitate the use of educational software like LTSpice and Tinkercad to enhance understanding and project creation. My work also encompasses assistance with electrical circuit theory and analysis, including the analysis of DC and AC circuits, as well as digital systems and logic. I am committed to enriching the students' educational experience and their understanding of fundamental electronics concepts.