

# Mauricio Javier Letort

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🌐 linkedin.com/in/mauricio-javier-letort-129b30258 🇫🇷 French Nationality 🌐 Personal Webpage

## PROFESSIONAL EXPERIENCE

### Hotel Innovation and Supplier Database Specialist Intern

05/2025 – 08/2025

*San Jose de Puembo Hotel and Conference Center, an Ascend Hotel Collection*

Quito, Ecuador

- Designed and deployed **NFC-enabled** guest cards providing access to hotel services.
- Integrated an **AskSuite AI-powered chatbot** with the hotel management system, enabling 24/7 automated support. Coordinated meetings and led the onboarding.
- Contacted and researched information regarding each vendor to build a **complete database** for all the **hotel suppliers**. Analyzed the profitability of each supplier.

### Junior Programmer

07/2024 – 08/2024

*Robalino Law*

Quito, Ecuador

Worked on the **BIPAT** (Business Intelligence Process Automated Technology) team, creating solutions for the firm's clients. Engaged in team projects simultaneously and created scripts in Python for the client's solutions.

### Design Specialist

06/2023 – 07/2023

*Grupo Más*

Quito, Ecuador

- Created and planned the **front-end** of an app design to help in parking solutions.
- Used the **Justinmind** software for the prototyping of the app.

### Ecuador Interactive Tourism Map

03/2025 – Present

*Ñan Magazine*

- Developed an **interactive digital map** showcasing Ecuador's lesser-known tourist destinations.
- Conducted **in-depth regional research** and curated cultural highlights, imagery, and local recommendations.
- **Government-backed** project funded by the **Inter-American Development Bank** (IDB); presented as part of a national tourism revitalization initiative.

## EDUCATION

### B.Sc. Computer Science - Artificial Intelligence, Minor in Entrepreneurship

09/2022 – 12/2026

*McGill University*

Montreal, Canada

### Colegio Menor San Francisco de Quito

06/2022

Magna Cum Laude 93.34 GPA

Quito, Ecuador

## PROJECTS

### AHOTEC Hotel Chatbot Developer

07/2025 – Present

- Built a full-stack hotel management app (for a group of 50 Ecuadorian hotels) with **Next.js**, **React**, **TypeScript**, **Prisma**, and **PostgreSQL**.
- Integrated **AI chatbot** and structured database architecture with **RESTful APIs** for streamlined hotel registration.

### Nutria Health & Nutrition App

01/2025 – 04/2025

- Developed a **React Native** mobile app that tracks meals, provides personalized nutrition recommendations, and helps users maintain balanced diets.
- Integrated **health APIs and nutrition datasets** to deliver tailored insights and wellness guidance.

### KaraokeJam- AI Powered Karaoke

11/2025 – 11/2025

*FastAPI, React, Web Audio API, Whisper, Demucs, Librosa, Supabase*

- Built a **full-stack karaoke app** in **one weekend** for **CodeJam**, a **hacking competition**, as a team of two, with **<100ms WebSocket latency**, real-time pitch detection, using **Demucs**, **Whisper**, and **Librosa YIN** for vocal separation, lyric alignment, and melody scoring.
- Designed an async **FastAPI + React audio pipeline** (**Web Audio API** for mic capture, **base64 float32 streaming**) and a semitone-based scoring engine comparing vocals to reference pitch.
- Delivered end-to-end **MP3/WAV** processing with **Supabase** (**Postgres RLS**, object storage) and background jobs —turning uploads into playable karaoke in **<3 min**.

## SKILLS

### Programming

Python, C, Java, Bash, Command-Line Interface, Assembler, Logisim, OCaml

### Languages

Spanish: Native, English: Fluent, French: Elementary Proficiency