

OMAR SERRANO

AI & Automation Developer · Full-Stack Engineer

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PROFESSIONAL SUMMARY

Bilingual (EN/ES) full-stack developer specialized in AI integration and workflow automation. Built and shipped production SaaS — PRAVÉ (Canadian Express Entry CRS simulation platform with Stripe subscription billing) — and currently building Francaisia (TEF Canada French exam prep platform, launching 2026). Experienced with AI virtual assistants using Anthropic Claude API. Microsoft Azure Fundamentals certified. I help businesses save 10+ hours per week with chatbots, voice agents, and custom web applications. Toronto-based, available for remote work worldwide.

TECHNICAL SKILLS

Frontend: Next.js 14 (App Router), React 18, TypeScript, Tailwind CSS, HTML5/CSS3, framer-motion, Responsive Design

Backend: Node.js, Express, REST APIs, PostgreSQL, Supabase (auth, database, RLS)

AI & Automation: Anthropic Claude API, OpenAI API, Prompt Engineering, Conversational AI, n8n, Make, Vapi, Twilio

Cloud & DevOps: Microsoft Azure (AZ-900 certified), Vercel, Render, Git, GitHub, Linux, Agile / Scrum

Other: Python (AI scripts), CI/CD basics, Cross-functional collaboration

Languages: English (Fluent) · Spanish (Native) · French (Basic)

FEATURED PROJECTS

PRAVÉ — Express Entry CRS Simulation Platform

pravepath.ca

Solo-built production SaaS · Subscription-based (\$9.99 CAD/month)

- Architected full-stack platform with Next.js 14 App Router, Supabase (auth + database + Row-Level Security), and Stripe billing integration
- Designed bilingual EN/ES interface with custom CRS calculation engine covering FSW, CEC, and PNP pathways
- Implemented AI-powered scenario analysis layer using Anthropic Claude API for personalized score-improvement recommendations
- Deployed and maintained on Vercel with monitoring, custom domain, and SSL

Sofia — Bilingual AI Receptionist

omarserrano.ca

Live demo for service businesses (dental, salons, clinics)

- Built conversational agent with Anthropic Claude API featuring 20-message conversation context and bilingual EN/ES auto-detection
- Implemented serverless API on Vercel with rate limiting (10 messages/hour per visitor) and friendly bilingual error handling
- Cost-controlled architecture using Claude Haiku model; operates under \$2/month at projected traffic

Jesse Merineau — Music Artist Website

jessemerineau.net

Client work delivered via Meraki Creative Lab

- Built responsive single-page site with Spotify embed integration and multi-section navigation
- Custom animations and dark-mode hero with full responsive layout

Pokémon Battle Arena

pokemon.net.omarserrano.ca

Open source side project

- Implemented battle logic, stat calculations, and search/filter UI with React, TypeScript, and Tailwind CSS
- Integrated PokeAPI with typed responses and loading states

PROFESSIONAL EXPERIENCE

Founder — PRAVÉ & Francaisia (Self-employed)

May 2025 – Present

Toronto, ON, Canada

- Founded and built two production-grade SaaS platforms end-to-end: PRAVÉ (Canadian immigration CRS optimization, live with Stripe billing) and Francaisia (TEF Canada French exam prep, pre-launch)
- Architected full product stack: Next.js 16 App Router, Supabase (auth + Postgres + RLS), Stripe live integration, Anthropic Claude API for AI features, deployed on Vercel
- Designed and shipped trilingual UX (EN/ES/FR) with i18n middleware, custom CRS calculation engine, and AI-powered scenario analysis
- Owned full business operations: product strategy, legal/compliance (PIPEDA, CICC), payment infrastructure, content production, and pre-launch marketing

Web Developer — Meraki Creative Lab

Mar 2023 – Apr 2025

Remote · Mexico City, Mexico

- Led development on client web projects using Next.js, React, TypeScript, and Node.js, delivering multiple production websites end-to-end
- Designed and implemented REST APIs and database schemas with Node.js, Express, and PostgreSQL
- Collaborated in Agile environment with Git workflow and continuous deployment via Vercel
- Coordinated scope, timelines, and revisions directly with clients in both English and Spanish

Customer Service Associate (part-time) — The Rec Room

Aug 2023 – May 2026

Toronto, ON, Canada

- Provided bilingual EN/ES customer service in a high-volume entertainment venue
- Maintained alongside full-time studies and developer roles; demonstrated reliability and time management

EDUCATION

Diploma in Computer Programming — Georgian College

Sept 2023 – Apr 2025

Toronto, ON, Canada

Bachelor in International Trade — ESCI University

2018 – 2022

Mexico

CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals (AZ-900) — Microsoft
- Frontend Developer Diploma
- JavaScript Algorithms and Data Structures — freeCodeCamp
- Responsive Web Design — freeCodeCamp