

# RALPH CHRISTIAN GABRIEL

Software Developer | B.Eng. Software Engineering Student, ÉTS

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#) | Languages: French (native), English (C1), Haitian Creole (native)

## SUMMARY

Software engineering student (B.Eng., ÉTS) with hands-on full-stack experience shipping production-grade products (e-commerce marketplace, ~15,000 LOC, 30+ REST endpoints). Proficient in TypeScript/Next.js, Java/Spring Boot, PostgreSQL, and CI/CD. Trilingual (FR/EN/Haitian Creole). Seeking a software developer internship or junior position starting Summer 2026.

## PROFESSIONAL EXPERIENCE

**Solutions Integration Developer** | Fastercom — Montréal

Dec. 2025 – Mar. 2026

- Configured and integrated TMS (Transport Management System) solutions through database parameterization and dynamic adaptation of application components for logistics clients.
- Integrated Google Maps geocoding API and orchestrated third-party REST API calls for transport routing and trip optimization.
- Delivered **3+ structured deployments** Test → Dev → Production via GitLab and CI/CD pipelines, in collaboration with an Agile team.

**Full-Stack Developer (Contract)** | The Mad Space — Remote · [themadspace.com](https://themadspace.com)

Oct. 2025 – Mar. 2026

- Architected and shipped an end-to-end print-on-demand e-commerce marketplace (~**15,000 LOC**, **30+ REST endpoints**, **17+ bilingual pages**): 10+ Prisma/PostgreSQL models, multi-role authentication, i18n (FR/EN), and multi-currency support (CAD/USD/EUR/GBP).
- Designed and automated **4 business workflows integrating 7+ third-party APIs** (Stripe, Gelato, Google Merchant Center, GA4, Google Ads) — webhook processing in 300–500 ms and API latency maintained at 150–300 ms.
- Implemented production-grade security (OAuth 2.0 with refresh-token rotation, HMAC webhook signatures, HttpOnly cookies, rate limiting, audit logs) via Supabase Edge Functions (Deno) — GDPR, Quebec Law 25, and Law 96 compliant.
- Deployed to production on Vercel and Supabase (20–30 successful CI/CD deployments via GitHub Actions). **Reduced order processing time by 10–15 min/order** through automation of 5–7 operational steps.

**IT Automation & Support Technician** | Vidéotron — Montréal

Jan. 2022 – Oct. 2025

- Resolved **2,000+ technical support tickets (AHT 11:18, 94% customer satisfaction, NPS 9.6/10)**: Level 1 and 2 incident diagnosis, follow-up, and resolution.
- Automated ~**50% of recurring HR/IT/Finance tasks** via Power Automate; documented procedures and runbooks to stabilize deployments and accelerate onboarding of new technicians.
- Served as Shift Lead supervising a team of **5 to 10 technicians** (evening and morning shifts): attendance tracking, critical incident management, field technician support, and mid-shift reporting.

## SELECTED PROJECTS

**Cadence** — Co-founder & Tech Lead · [GitHub](#) · Expo, TypeScript, NativeWind, Supabase

2025 – present

- Architecting a mobile sports coaching app targeting the Quebec francophone market (with co-founder Alexandre), with a web landing page deployed on Vercel.
- Managed **169+ GitHub issues across 13 sprints** with strict acceptance criteria, competitive audit (8+ apps), and security-by-design (Supabase RLS from Sprint 1, OWASP Mobile Top 10 audit planned).

**FinanceJ** — Project Administrator · Java 21, Maven, JUnit, MVC

2024

- Modernized a modular MVC desktop application, applying Observer + AbstractTableModel patterns to decouple UI, business logic, and data access. Complete refactor to Java 21.
- Industrialized the project on Maven and GitLab: integrated JUnit, Checkstyle, PMD, QALab, Javadoc generation, and automated deployment.

**Airport Display Management System** — ÉTS academic project · Java, Swing, Observer Pattern

2024

- Designed a console + Swing UI with multi-level Observer pattern, achieving **sub-100 ms latency across 3 synchronized views**, with a full JUnit test suite covering edge cases.

## EDUCATION

**B.Eng. Software Engineering** — École de technologie supérieure (ÉTS), Montréal

Oct. 2024 – present

Relevant coursework: LOG430 (Software Architecture), LOG240 (Software Testing), GTI611 (Databases), GTI350 (User Interfaces), MAT145, MAT144.

**DEC in Computer Science Technology (Application Development)** — Collège de Rosemont, Montréal

Jan. 2022 – Jan. 2024

**DVS — IT Support (DEP en Soutien informatique)** — CFP des Riverains

Sept. 2019 – Feb. 2022

## TECHNICAL SKILLS

**Languages & Frontend:** TypeScript, JavaScript, Java, C#, Python, SQL, HTML/CSS · React, Next.js (SSR/SSG), Angular, Expo (React Native), Tailwind CSS, Java Swing/JavaFX

**Backend, Data & Cloud:** Node.js/Express, Java/Spring Boot, .NET, REST APIs, Microservices · PostgreSQL, MySQL, Prisma ORM · GitHub Actions, GitLab CI/CD, Vercel, Supabase, Docker, AWS (basics)

**Quality, Security & Methods:** JUnit, Jest, TDD, Code Review, Checkstyle, PMD · MVC, Design Patterns, UML, DDD, System Design · OAuth 2.0, JWT, OWASP, GDPR/Quebec Law 25 · Agile/Scrum