

# Michael Lapadula

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## Profile

Software Engineering student specializing in full-stack web applications. Passionate about building reliable, well-structured, and useful software. Looking for an internship in software development to apply my skills in a professional environment. Bilingual (FR/EN) with proficiency in Italian.

## Technical skills

**Languages:** C, C++, Java, JavaScript, TypeScript, OCaml, Prolog, SQL

**Web & Frameworks:** React, FastAPI, Node.js, Express, Prisma, HTML, CSS

**Databases:** PostgreSQL, SQLite

**Tools & Platforms:** Git, Linux, Docker, Maven, Vercel, Render, Supabase

**Concepts:** Object-oriented programming, Functional programming, REST APIs, Data structures, RISC-V

## Education

**BACHELOR'S | IT AND SOFTWARE ENGINEERING, UQAM | 2023 – EXPECTED 2026**

**DIPLOMA OF COLLEGE STUDIES | BUSINESS, COLLÈGE AHUNTSIC | 2021 - 2023**

## Projects

Through both university coursework and freelance projects completed on my free time, I have completed 20+ software projects across a wide range of IT domains. Current GPA: 3.4.

Additional project details and source code are available at [www.mikelap.dev](http://www.mikelap.dev).

- **SoccerHub — Full-Stack Field Reservation Platform**  
FastAPI, Supabase, JWT. Implements reservations, league and tournament management, admin profile, analytics/statistics dashboard, availability logic, notifications, and more.
- **ClientHub — Northview Capital (50 – 100 active users)**  
Full-stack web platform for managing clients, internal account documentation and more. Acts as the main communication channel between the company and its clients. Built with secure authentication, role-based access, real-time updates and notifications.
- **Client Website — Groupe Construction DMR ([link to the website](#))**  
Multi-page professional website with customized forms, responsive design, SEO optimization, and complete DNS configuration.
- **Data structures in C++:** (BigInt, AVLTree, TreeMap and Digraph).
- **Full development of a software in C:** (Scrum method, phases, modular, etc.).
- **Team-based Java project:** (Scrum method, test planning, Maven, etc.).
- **RISC-V assembly programming:** (Game of life, morse code, etc.).
- **Functional programming in OCaml and Prolog:** (Gear-transmission simulator, music compiler, etc.).

## Experience

### FREELANCE SOFTWARE DEVELOPER | SELF-EMPLOYED | NOV 2024 – PRESENT

- Delivered production-ready web applications for real clients with real active users.
- Collaborated with clients throughout the development phase to translate ideas into real technical solutions and deliverable products. Used an iterative approach for feedback and improvements.
- Built secure backend systems with authentication, role-based access and database design using Supabase and PostgreSQL.
- Managed deployment, hosting, DNS setup, and ongoing maintenance.
- **Skills gained:** client communication, translating requirements into features, full-stack development, secure application design, deployment & maintenance, problem solving.

### COLLECTION ADVISOR | DESJARDINS | MAY 2022 – NOV. 2024

- Negotiated and proposed solvability solutions like refinancings and payment agreements.
- Recovered \$50 000 to \$100 000 a month (cards and car loans).
- Nominated for « The Northern Star » for my efficiency, adaptation and exceeding expectations.
- **Skills gained:** professional environment, communication, pressure management, procedural accuracy.

### SUPPORT TEAM, MATTER EXPERT (COLLECTIONS) | DESJARDINS | SEPT. 2023 – AUG. 2024

- Provided technical and procedural support to more than 100 employees (junior & senior).
- Approved out-of-scope requests and authorized certain procedures.
- Resolved escalations and ensured compliance with internal procedures.
- Managed departmental inboxes and collaborated with leadership on critical processes.
- **Skills gained:** leadership, ownership, team coordination, problem solving.