

JESSICA KARELLE FANGUEM TCHIKAPA

Software Developer | Computer Science Technology Student · 2nd Year
Saint-Jean-sur-Richelieu, QC · ✉ jessica@jessicakarelle.com · ☎ +1 (514) 638-3094
[Portfolio](#) · [Personal Website](#) · [LinkedIn](#) · [GitHub](#)

■ PROFILE

Computer Science Technology student with professional experience across application development, web platforms, test automation, and connected-device systems. I enjoy understanding how complex systems work, improving existing products, and turning technical or business needs into clear, maintainable solutions. Seeking a Summer 2027 internship where I can contribute to meaningful projects, learn from experienced teams, and continue expanding my technical range.

■ EDUCATION

Cégep de Saint-Jean-sur-Richelieu

Diploma of College Studies (DEC) — Computer Science Technology

Expected May 2028

École secondaire Joséphine-Dandurand

High School Diploma (DES) — General Education

June 2025

■ EXPERIENCE

Laxson Solutions Inc.

Software Developer — Part-Time

Aug 2026 – Present

- Design and evolve internal business applications supporting human resources, operations, and e-commerce workflows, translating day-to-day needs into maintainable software features.
- Develop and maintain customer and team-facing web platforms, including an online store, product documentation, forms, and digital services.
- Contribute to release preparation and ongoing product improvements across software and web projects through validation, troubleshooting, and user-experience refinements.

Software Development Intern

May 2026 – Aug 2026

- Contribute to the development of a connected-device and alert-management platform and to the preparation of a major product release.
- Build and refine responsive workflows for device configuration, alerts, reports, and other user-facing application features.
- Test mobile applications and connected devices in real-world scenarios involving alerts, geolocation, 4G/satellite communications, and remote monitoring.
- Automate end-to-end validation with Playwright, reproduce user scenarios, verify fixes, and investigate authentication and interface issues.

■ PROJECTS

DevFlow Studio · Developer Productivity Workspace · React · TypeScript · Vite · Dexie · TanStack Query · Vitest · Supabase

[Live Site](#) · [GitHub](#)

- Build a local-first developer productivity workspace for daily planning, task and project management, focus sessions, technical journaling, weekly reviews, and productivity insights.
- Design a modular React/TypeScript architecture with IndexedDB/Dexie, typed data models, automated testing, local recovery tools, and optional Supabase cloud capabilities.
- Implement responsive PWA behavior, local recovery and import/export tools, and an optional Supabase cloud workspace while keeping the core experience local-first.

Practicora · Internship Management Platform · Next.js · React · TypeScript · Supabase · Tailwind CSS · Zod

[Live Site](#) · [GitHub](#)

- Build a full-stack web application for internship management and professional progress, including work logs, objectives, hours, evaluations, reports, notes, and analytics.
- Design responsive, multilingual workflows with authentication, role-based areas, structured validation, and Supabase-backed data management.
- Build role-based workflows for organizations, programs, placements, invitations, and reporting, with Supabase authentication and structured form validation.

■ TECHNICAL SKILLS

Languages: C#, TypeScript, JavaScript, SQL, Java, HTML, CSS

Frameworks & Web: .NET, ASP.NET Core, Blazor, React, Next.js, Tailwind CSS, MudBlazor

Testing & Tools: Playwright, Vitest, Git, GitHub, Azure DevOps, Visual Studio, VS Code, Rider, IntelliJ IDEA, WebStorm, Node.js, PowerShell

Data & Platforms: Supabase, IndexedDB/Dexie, JSON, Wix, GoDaddy, Google Analytics, Microsoft 365

Technologies & Practices: mobile applications, connected devices, GPS, 4G/satellite, remote monitoring, SEO, OOP, debugging, automated testing, refactoring, responsive Web development

■ LANGUAGES

French (Native) · English (Fluent) · Spanish (Intermediate)