

Clayton Cotter-Wasmund

Toronto, ON | claywasmund@gmail.com | (647) 642-0567 | [linkedin.com/in/cwas](https://www.linkedin.com/in/cwas) | github.com/ClaytonWas | canadianformatters.com

Full-stack engineer with production experience in TypeScript, Next.js, Node.js, Python, and Rust. Shipped Canadian Formatters, an AI-augmented legal-tech SaaS for Ontario family court litigants on Supabase, AWS, using the Anthropic Claude API.

PROFESSIONAL EXPERIENCE

Founder & Software Engineer - Canadian Formatters Inc. 07/2025 - Present

Next.js 16, TypeScript, Supabase (PostgreSQL + RLS), pdf-lib, Anthropic Claude API, AWS, Railway

- Sole engineer of a multi-tenant legal-tech SaaS generating court-ready Ontario family court PDFs from a persistent multi-step intake flow, with PIPEDA-compliant data residency on Supabase ca-central-1 and AWS Bedrock ca-central-1.
- Designed Supabase Row-Level Security architecture and Clerk authentication to isolate tenant data, and built a shared-field engine with canonical field IDs to enforce a 'tell your story once' user model across 20+ form types.
- Integrated the Anthropic Claude API for tone and bias detection on user-submitted text using structured JSON output and asynchronous batch processing, enforcing a mechanical-language-correction boundary that preserves legal defensibility.

Software Instructor & Technician - Best Brains Learning Center 10/2025 - Present

- Teach Python, JavaScript/HTML/CSS, and Scratch to classes of 12+ students (Gr. 4–8) using a project-based curriculum that builds debugging and problem-solving skills.

Full-Stack Web Developer - Net Output Inc. 05/2022 - 08/2023

Angular 12–16, Node.js, Express, TypeScript, REST APIs, PostgreSQL

- Designed and implemented role-based access control middleware with structured audit logging across the Node.js/Express API layer, replacing insecure endpoint patterns and reducing audit review effort.
- Led the Angular 12 → 16 framework migration, resolving breaking changes across 40+ components and eliminating XSS vulnerabilities in form input handling.
- Built dynamic dashboards and data-export tools in Angular and TypeScript, enabling enterprise clients to access real-time analytics within two-week sprint cycles.

PROJECTS

Wyrmhole - Encrypted P2P File Transfer Desktop App Aug 2025 – Jan 2026

Rust, Tauri 2.0, TypeScript, WebSockets | wyrmhole.app | github.com/ClaytonWas/wyrmhole

- Built cross-platform (Linux/macOS/Windows) desktop app implementing SPAKE2 password-authenticated key exchange for end-to-end encrypted P2P file transfer with AES-256-GCM and compression for multi-gigabyte folder transfers.
- Diagnosed and resolved concurrency bugs in the async Rust streaming pipeline using structured logging and Wireshark.

Tuned In - On-Device AI Music Recommender (Chrome Extension) Oct 2025

JavaScript, Spotify Web API, Gemini Nano Summarizer API | [Chrome Web Store](https://chrome.google.com/webstore/detail/tuned-in) | github.com/ClaytonWas/Tuned-In

- Integrated the Spotify Web API to surface BPM- and genre-matched track recommendations based on affective parameters (energy, mood, genre cues) inferred from the current webpage.
- Built an on-device content analysis pipeline using Gemini Nano's Summarizer API, processing all webpage content locally before any external API call.

EDUCATION

B.Sc. Computer Science, Mathematics Minor - Ontario Tech University Sep 2021 – May 2025

TECHNICAL SKILLS

Languages & Frameworks: TypeScript, JavaScript, Python, Rust, SQL; Next.js, React, Node.js, Express, Angular, TailwindCSS

Backend, Data & Cloud: PostgreSQL, Supabase, Row-Level Security (RLS), MongoDB, REST APIs, pdf-lib, Clerk, OAuth, JWT; AWS (Bedrock, ca-central-1), Railway, Vercel, Azure, Docker, Caddy, Tailscale, Git, CI/CD

AI & ML: Anthropic Claude API, structured JSON output, async batch processing, on-device inference (Gemini Nano, MLX), RAG

Practices & Tools: System design, microservices, multi-tenant architecture, WCAG AA, Agile/Scrum; Claude Code, GitHub Copilot