

LUCAS WINKLER

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SUMMARY

Full-stack developer focused on building intuitive, high-performance web applications using modern technologies. Passionate about solving real-world challenges with clean, user-centric solutions, I combine technical expertise with a collaborative mindset to deliver projects that balance functionality and impact.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3, SQL, C#

Frameworks: Next.js, Node.js, Express, Tailwind CSS

Libraries: React, TanStack Query, SCSS, Prisma, Drizzle, shadcn/ui

Databases: PostgreSQL, MySQL, Redis

Tools & Other: Git, REST APIs, Vitest, Jest, Google Cloud Platform, VS Code, Visual Studio

PROJECTS

PoiToGo

poitogo.vercel.app

Next.js, React, TypeScript, Tailwind CSS, PostgreSQL

github.com/LucasWinkler/poitogo

- Developed a location-based web app, enabling users to discover and organize favourite places with an intuitive UI
- Leveraged Redis (Upstash) for rate limiting, reducing server load and ensuring smooth API performance
- Optimized responsiveness with TanStack Query's caching features, enhancing data retrieval and improving performance

Online Learning Platform

lw-online-learning-platform.vercel.app

Next.js, React, TypeScript, Tailwind CSS, PostgreSQL

github.com/LucasWinkler/online-learning-platform

- Built a learning management system featuring role-based authentication, dynamic course creation, and drag-and-drop course organization using dnd-kit
- Developed core CRUD operations for managing courses and instructor dashboards
- Implemented real-time video streaming to deliver interactive content (note: course purchasing and user content viewing functionalities are under development)

Audiophile Ecommerce

audiophile-fem.vercel.app

Next.js, React, TypeScript, Tailwind CSS

github.com/LucasWinkler/audiophile-ecommerce

- Developed a pixel-perfect e-commerce site by replicating a Frontend Mentor design, demonstrating strong attention to detail and responsive layout implementation
- Engineered a client-side shopping cart using local storage for persistent user sessions
- Implemented robust client-side form validation and error handling for the checkout process (prototype stage; plans to integrate server-side authentication, database-driven cart management, and enhanced checkout flows)

EDUCATION

Diploma in Full-Stack Development

McMaster University

Expected August 2025

Remote

Advanced Diploma in Computer Programming and Analysis

Conestoga College

September 2017 – April 2020

Waterloo, ON

SOFT SKILLS

Problem-solving, Attention to detail, Organization, Communication, Teamwork, Adaptability