

Colin Lawrence

Full-Stack Software Engineer

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Profile

Versatile full-stack developer with a strong foundation in both software development and cyber security. Known for building scalable, secure, and user-friendly applications. Passionate about impacting unique and intriguing projects while continuously expanding technical skills in dynamic, fast-paced environments.

Projects

Abram Yung Homes

React • TypeScript • Serverless APIs • Terraform • Cloudflare • Tailwind • SEO

- Built performance-optimized real estate site for Toronto broker with dual MLS feeds (agent + office), modernized UI (Custom design & animations), and EmailJS + React Hook Form inquiry system.
- Engineered zero-cost serverless backend via Cloudflare Workers: RESTful serverless API with CORS, SHA-1 image caching to object storage (R2 Bucket), DNS management, and Terraform-provisioned infrastructure.
- Built a fully custom Tailwind UI system focused on accessibility, responsiveness, and brand consistency.
- Designed and implemented advanced SEO infrastructure leveraging dynamic metadata, indexed media assets, custom icon sets, and automated sitemap generation to improve search visibility.

The Jim Kelly Team

React • TypeScript • Vite • Node.js • Express • AWS S3 • Google API Integrations

- Production real estate app with auto-populated MLS listings via Amplify Syndication + OData API; deployed on Netlify + Render.
- Built a scalable backend with Node.js/Express, using Node-Cache for Google Places reviews and S3 pre-signed URLs for secure media uploads.
- Integrated Google Reviews API and lead capture forms with automated email notifications.
- Collaborated closely with clients to gather requirements, align expectations, and ensure the final product met their business goals.

Bestpresso Coffee

React • Flask • PostgreSQL • JWT • Psycopg2 • Framer Motion

- Developed a full-stack e-commerce platform enabling users to browse, purchase, and rate coffee blends with a PostgreSQL-backed catalog.
- Facilitated secure user authentication and session management with JWT-protected RESTful APIs.
- Implemented paginated product browsing using Psycopg2 and raw SQL queries.
- Built a product rating system that aggregates user rating data to compute and display real-time average ratings across all products.
- Streamlined the checkout process by designing cart functionality to track user selections and update inventory dynamically.
- Enhanced user experience with Framer-Motion animations for smooth transitions in product displays, page navigation and navigation bar.

HOLD or FOLD

EJS • Express • MongoDB • Mongoose • Chart.js • Axios • node-cron

- Designed a full-stack PvP crypto betting web app enabling users to wager tokens on cryptocurrency price movements over set timeframes.
- Implemented secure session-based user authentication using Express sessions and bcrypt, ensuring protected access to user data.
- Integrated CoinGecko API with cron jobs to fetch and store real-time crypto prices, ensuring accurate bet outcomes.
- Implemented a dynamic user dashboard with Chart.js to display real time and historical data of user selected coins
- Enhanced reliability and user experience of token-based wagering system by engineering retry logic for API calls.
- Developed Node.js/Express application paired with Mongoose and MongoDB to provide a resilient data store and access pattern.

Professional Experience

Co-Founder & Full-Stack Developer

Lawrence & Reid Devworks

05/2025 – Present
Toronto, Canada

- Co-founded agency delivering production apps across real estate, e-commerce, and SaaS.
- Worked directly with clients to transform concepts into polished, production-ready products.
- Led frontend of 2+ real estate platforms, designing modern, responsive UIs with SEO best practices.
- Built zero-cost APIs with Cloudflare Workers, R2, and AWS S3 pre-signed URLs, cutting external costs 80%+.

Technical Coordinator

Reliable Corporation

02/2022 – 01/2025
North York, Canada

- Migrated workflow to a digital NetSuite system, leveraging SuiteScript for automation and real-time tracking.
- Managed company data assets and implemented role-based access patterns for employees
- Performed QA testing to validate product functionality and quality on physical assets.

Education

Full-Stack Software Engineering Immersive

General Assembly

04/2025

Computer Systems Technician

Durham College

2019 – 2022

Bachelor of Information Technology

Carleton University (Incomplete)

2014 – 2017