Robert Fairley

Software Developer · Full-Stack · Applications & Systems Design

Hamilton, Ontario, Canada
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https://robertfairley.com
https://github.com/robert-fairley

Technical Skills

Design & Development
Web development, app development, platform development, UI design and development: TypeScript/JavaScript, Node.js, Python, React, Next.js, Remix, Vue.js, SQL, Affinity Suite, Figma, EDI, MIDI/MCU protocols

Infrastructure & Deployment
Git, AWS, OVH, Docker, CI/CD, Linux, macOS

Other Background

United Nations Online Volunteering: Software development volunteer work with UN-aligned organizations, CMS platform development (2013–2014)

University of Toronto, St. George: Coursework toward BA Hon. in Classics, Literature, Linguistics, and Art History

FACTOR Canada: Artist Development Grant Recipient (2022), Audio production

Experience

Software Developer/Owner · Lleu Labs Inc.
Hamilton, ON · 2024 to Present
https://lleulabs.com

- Run an independent software practice delivering custom web and audio technology for clients, from requirements and architecture through deployment and ongoing support
- Build and ship own products (Clar, lleu.site) alongside client work

Software Developer · Orderful
Vancouver, BC (Remote) · 2021 to 2024

- Designed full-stack features for a high-throughput EDI platform handling logistics communications between trading partners
- Built AS2 and VAN communication channels connecting modern systems with legacy logistics infrastructure, opening the platform to new clients
- Owned unit and integration testing for time-sensitive data exchange, where correctness directly affects customer operations

Software Developer · St. Joseph Communications / Rogers Media
Toronto, ON · 2016 to 2021

- Architected digital publishing pipelines and editorial tooling for Maclean's, Chatelaine, FASHION, and Today's Parent, plus Rogers Radio
- Built diagnostic tooling and workflow automation to keep publishing operations running smoothly
- Delivered reporting, integrations, and automations that supported legal compliance requirements
- Partnered with design, editorial, and marketing teams to define workflows and build features for marketing campaigns

Projects

apple-news-format · Open Source · Author/Maintainer · NPM
- Comprehensive TypeScript types library to support development for Apple News Format publishing. ~400 downloads/week. (TypeScript)

Clar · Freeware · *https://clar.lleulabs.com*
- Shipped a cross-platform application for audio project management. In development. (Rust/Tauri, TypeScript, React, SQLite, FFmpeg)

lleu.site · Commercial Platform/Service · *https://lleu.site*
- Built and operate a live multi-tenant platform. (Node.js, Remix, PostgreSQL, Redis, Docker)