

Torrin Leonard

Full-Stack Software Engineer

Waterloo, Ontario, Canada · 9 years professional experience

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[Website](#)

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Summary

Full-stack software engineer with 9 years of professional experience across startups, contract work, and open-source projects. I build AI-powered web apps, custom UI frameworks, and the infrastructure they run on, with a focus on accessibility, performance, and clean UX.

Positions

Full Stack Software Developer — Equator

Mar 2023 – Present | Hybrid / Waterloo, ON

- Built and shipped an AI-driven proposal tool (backend + frontend).
- Created an accessible UI component library used across GIS and AI products.

Co-Founder, CEO, Lead Software Developer — This Cozy Studio Inc.

Oct 2021 – Jan 2025 | Waterloo, ON

- Created Blend_My_NFTs, a Blender add-on with ~1k GitHub stars.
- Designed and maintained tools for 3D project pipelines.

Automation and Accessibility QA — League

Mar 2021 – May 2022 | Remote

- Wrote TestCafe automation for regression testing.
- Performed accessibility audits against WCAG guidelines.

Automation and Accessibility QA — worX4you Inc.

Jun 2013 – Jun 2025 | Contract / Various Clients

- Provided QA and automation for multiple startup clients.
- Focused on cross-browser testing and accessibility issues.

Projects

destamatic-ui — <https://torrin.me/destamatic-ui>

A batteries-included frontend framework built on fine-grained Observers.

- No React, no VDOM. Components, routing, SSG/SEO, theming, icons, and rich text in one stack.
- Used for Equator Studios mapping/AI platform, torrin.me, and OpenGig.org.

- Replaces heavier React + MUI stacks with a smaller, fast, and predictable component system.

OpenGig.org — <https://opengig.org>

Open-source platform for gig workers and customers.

- Built a full-stack app in JavaScript with a custom UI framework, database state-sync, and WebSocket layer.
- Deployed to a DigitalOcean droplet behind NGINX, with GitHub Actions for CI.

MangoSync — <https://github.com/torrinworx/MangoSync>

Local music player with AI-assisted lyrics and metadata.

- Uses Whisper to auto-generate and align lyrics for time-synced playback.
- Displays time-synced lyrics in an Apple-style karaoke mode lyric scroller.
- Enhances albums with additional metadata like artwork and descriptions.

Blend_My_NFTs — https://github.com/torrinworx/Blend_My_NFTs

Blender add-on for generating 3D NFT collections.

- Reached ~1k GitHub stars, 200K+ YouTube views, and is used by multiple studios and NFT projects.
- Automates 3D asset generation and export pipelines from Blender.

Skills

Programming Languages: JavaScript, TypeScript, Python

Frontend & UI: React, destamatic-ui, Three.js/WebGL, responsive and accessible (WCAG)

Backend & APIs: Node.js, Express, FastAPI, REST, WebSockets

Databases: MongoDB, MariaDB, Redis

Cloud & DevOps: Linux (Ubuntu/Arch), Docker, NGINX, DigitalOcean, AWS, GitHub Actions, GitLab CI/CD

Testing & Quality: TestCafe, automated regression testing, accessibility audits

AI & ML: OpenAI API, Whisper, Hugging Face, Qdrant, LangChain, vector search

Certifications: Harvard CS50 (Intro to Computer Science), W3C Web Accessibility (WAI0.1x)