

Clay Browser

Full-Stack Developer | AI Integration

Remote-Friendly

Dartmouth, Nova Scotia, Canada

✉ claybrowser95@hotmail.com

GitHub: github.com/claybrowser

Professional Summary

Full-stack developer with hands-on experience building production-ready web applications and integrating AI tools into developer workflows. Skilled in React, TypeScript, Node.js, Flask/Python, and cloud deployments (Azure). Passionate about creating scalable solutions, interactive systems, and developer-focused AI tools. Seeking full-time remote opportunities with U.S.-based teams.

Experience

Web Developer — Natural Resources Canada

Oct 2023 – Dec 2023

- Resolved 150+ security vulnerabilities across multiple internal websites used by NRCAN scientists.
- Improved web security compliance and overall system stability.

Full-Stack Developer Intern — SaltWire

May 2022 (2 weeks)

- Built advertisement banners and redesigned web pages.
- Conducted competitor market analysis to inform UI/UX decisions.

Full-Stack Developer — Site 2020

May 2021 (1 week)

- Designed a more accessible user interface for Site 2020's Android app.

Projects

Halifax Transit Fare App — MERN + Stripe

- Full-stack web application for authenticated ticket purchases with QR code validation and Stripe payment integration.
- Demo video: [YouTube Link](#)
- https://github.com/claybrowser/halifax_transit_fare_app

Code Hedgehog — VS Code Extension (AI)

- AI-powered code suggestions using Ollama and CodeGemma.
- Published on VS Code Marketplace.
- <https://github.com/claybrowser/code-hedgehog>

Data Explorer — Flask + Visualization

- Interactive web app for uploading CSVs, creating visualizations (scatter, bar, heatmaps), and generating HTML reports.
- <https://github.com/claybrowser/data-explorer>

AI Playerbots — WoW Private Server (Personal)

- Experimentation with combat logic, pathfinding, and decision-making loops for NPC behavior.

Education

Nova Scotia Community College — IT Web Programming Diploma Graduated 2023

- Full-stack development, React, Node.js, Laravel, C#.

Charles P. Allen High School — High School Diploma

- Programming in Visual Basic; created a "Choose Your Own Adventure" game.

Technical Skills

- Languages: JavaScript, TypeScript, Python, C#, Java, PHP, SQL
- Frontend: React, Redux, HTML, CSS, Vue
- Backend: Node.js, Express, Flask, Laravel
- Databases: MongoDB, MySQL
- Cloud/DevOps: Azure, Git, Linux, Apache
- Other: AI tools (Ollama, CodeGemma), Stripe, SEO, UI/UX Design, Agile

Languages

- English (fluent), French (intermediate)