

TROY LUSSIER

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Portfolio: <https://moodyspritestudios.com>

FULL-STACK DEVELOPER | JavaScript • Node.js • MongoDB • React

Full-stack developer with a 20+ year background as a Red Seal carpenter — a career built on precision, problem-solving, and delivering high-quality work. I bring that same craftsmanship into software development: clean code, thoughtful architecture, and user-focused design. Passionate about backend development, API design, and building tools that improve people's lives, especially in the health-tech space.

TECHNICAL SKILLS:

Languages: JavaScript (ES6+), HTML5, CSS3

Backend: Node.js, Express, MongoDB, Mongoose, JWT Authentication

Frontend: React, REST APIs, Responsive UI, State Management

Tools: Git, GitHub, Render, Postman, VS Code

Testing: Mocha, Chai, Supertest, mongodb-memory-server

Other: API design, error handling, deployment pipelines, environment configuration

PROJECTS:

Women-Over-40 Health App — Full-Stack Capstone

A complete wellness tracking platform designed to support women over 40 with daily check-ins, notes, reminders, and long-term trend insights.

Backend Features:

Built full Express REST API with modular routing.

Implemented JWT authentication with protected routes.

Designed MongoDB models for users, check-ins, notes, reminders, and preferences.

Created trend aggregation endpoint with customizable date ranges.

Added ownership validation for all protected resources.

Enforced one-check-in-per-day logic.

Implemented robust error handling and validation.

Deployed to Render with environment-based configuration.

Testing:

Utilized Mocha, Chai, and Supertest for comprehensive testing.

Used in-memory MongoDB for isolated test environments.

Created automated tests for auth, CRUD operations, and trends.

Tech: Node.js, Express, MongoDB, JWT, Render

Frontend Portfolio Projects:

A collection of interactive web apps built with HTML5, CSS3, JavaScript, and external APIs.

Examples: Weather dashboard, Recipe finder, Movie search app, Interactive tools and utilities.

Highlights:

Developed clean, responsive UIs with a focus on usability and accessibility.

Strong use of async/await and fetch for API integration.

Applied modular JavaScript patterns for maintainable code.

PROFESSIONAL EXPERIENCE:

Red Seal Carpenter | 20+ Years

A long career built on craftsmanship, leadership, and problem-solving.

Key Strengths:

Managed complex builds from blueprint to completion.

Led teams and coordinated timelines effectively.

Solved problems quickly and independently under pressure.

Communicated clearly with clients and other trades.

Maintained high standards of quality and safety.

Transferable Skills to Tech:

Systems thinking and architectural planning.

Precision and attention to detail in code and structure.

Project planning and execution.

Troubleshooting complex issues under pressure.

Delivering reliable, high-quality results consistently.

EDUCATION:

Full-Stack Development (Self-Directed + Project-Based)

Red Seal Certification — Carpentry

ADDITIONAL DETAILS:

Strong interest in health-tech, wellness tools, and data-driven insights.

Passion for building meaningful, real-world applications.

Committed to continuous learning and improving my craft.