

# Eric Morrison

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**Self Taught Full Stack Developer** building responsive web applications with emphasis on code maintainability, AI integration, and data-rich interfaces. Built and deployed 3 websites for local businesses in 2025.

## Selected Projects

### Policy Boi — RAG Powered Insurance Policy Analysis Platform

*React, Node.js, Express, PostgreSQL, ChromaDB, OpenAI API, LangChain, Tailwind CSS, React PDF*

- Enabled high-relevance, confidence-scored LLM responses using custom prompt structure integrated with grounded source of vector embeddings.
- Enabled accurate and performant data retrieval by implementing a document processing pipeline including parsing, text chunking, embedding generation, and vector db storage.
- Reduced API costs and improved performance by implementing in-memory caching for user queries.
- Implemented multiple RAG-powered features including policy Q&A, multi policy comparison, and claim checklist generation.

### Full Snack — AI-Powered Meal Generator App

*React, Node.js, Express, PostgreSQL, OpenAI API, Tailwind, Render*

- Enabled dynamic meal suggestion generation with custom prompt structure configured to provide structured JSON data cleaned and parsed by backend.
- Developed a responsive shopping list that syncs with meal suggestions through React state management and real-time database updates.
- Greatly improved code maintainability by centralizing rendering logic with modular, reusable components.
- Enhanced UX by implementing multiple input interfaces for meal generation and adding Framer Motion animations throughout UI.

### Do Date — SMS Reminder App

*React, TypeScript, Tailwind, Express, AWS Cognito, DynamoDB, EventBridge, Lambda, Twilio*

- Ensured timely project completion by pivoting from an exclusively AWS backend to a hybrid approach using Node and Express backend with Twilio API.
- Enabled accurate reminder delivery by implementing timezone-aware scheduling logic.
- Achieved customized, secure phone number authentication by combining Cognito, Dynamo, and Twilio services.

## Tools and Applications

Javascript, Typescript, HTML, CSS, React, Node.js, Express, Tailwind CSS, PostgreSQL, REST APIs, LangChain, RAG pipelines,

## Education

2013

**Bachelor of Arts in Literature and History** — Concordia University, Montreal

2018

**Post Graduate Certificate in Education** — University of Nottingham (Online)

## **Professional Experience**

**English, Literature, & History Teacher** — Shanghai, China

*2013 – 2023*

- Developed engaging lessons focused on analytical thinking and clear communication.
- Adapted complex ideas for diverse learners — a skill that now informs my development and collaboration style.