

# Jonathan Hammond

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## Summary

Software Engineer with 4+ years of experience across frontend, backend, and full-stack development, including hands-on production experience building and shipping AI-powered applications. Strong background in React, TypeScript, Node.js, and API-driven systems, with recent work integrating large language models (LLMs) using OpenAI's Responses API. Experienced in prompt design, structured document parsing, client-side inference workflows, and AI-augmented developer tooling. Proven ability to deliver production-ready features with TDD, accessibility (WCAG 2.1), and scalable UI architectures.

## Skills

- Test-Driven Development (RSpec, red-green)
- UI/UX design (Figma, prototyping, wireframes)
- WCAG 2.1 accessibility (testing and remediation)
- Front-end development (HTML, CSS, React, TypeScript, Tailwind)
- AI / LLM Development
- API integration (Twilio, PostHog, SemRush)

## AI Projects

### Docs Summarizer — AI-Powered Chrome Extension (Manifest V3)

- Designed, built, and shipped a **production AI-powered Chrome extension** that summarizes and explains technical documentation using **OpenAI's Responses API**.
- Implemented **structured page analysis** (DOM extraction, heading hierarchy, code block detection, region segmentation) to improve LLM input quality and response accuracy.
- Built a configurable **prompt system** supporting multiple “voice” styles, model settings, and reasoning depth, persisted locally via **chrome.storage.local**.
- Developed a modular TypeScript UI (drawer, detached window, toolbar, highlight overlays) with validated scroll-to-source links and inline content highlighting.
- Integrated secure **client-side API key handling** with no server-side data retention.
- Added Jest test coverage for AI helpers, DOM parsing utilities, and markdown rendering using JSDOM.
- Published and approved in the **Chrome Web Store** following Google's MV3 security and privacy requirements.

## Experience

**Software Engineer**, 08/2025 – 11/2025

**Carrot** – Salem, MA

- Developed backend features in Ruby on Rails with strict TDD (RSpec, FactoryBot), including Twilio integrations for call blocking, call-status filtering, and cost-saving cached lookups.
- Built React/TypeScript UI flows using GraphQL, TanStack Query, Tailwind, and Carrot's internal design system, including new call-tracking interfaces and feature-flagged form updates.
- Implemented PostHog analytics with custom event tracking and user identity logic, improving marketing attribution and product insights.
- Enhanced SemRush API service layer for the Site Audit tool by adding improved error handling and retry logic
- Created Storybook UI tests and MSW-powered interaction tests

**Web Developer**, 05/2024 – 01/2025

**Boston Children's Hospital** – Boston, MA

- Developed and maintained custom Drupal components for over 30 pediatric hospital websites.
- Resolved accessibility issues by implementing ARIA attributes, and improving semantic HTML structure.
- Created responsive, reusable components using ACF, Bootstrap, and PHP templating.
- Enhanced SEO by adding robots/meta indexing logic site-wide

- Managed DNS records and domain routing using Route 53, including A-record updates and domain transitions.
- Assisted with site go-live workflows using Lightsail (bncert), S3 static hosting, and Apache config updates
- Provisioned SSL certificates through AWS Certificate Manager to ensure secure production deployments.

### **Frontend Engineer, 01/2024 – 08/2024**

#### **Acronary – Remote, MA**

- Built a complete React-based web app from Figma designs, implementing 15+ screens, and interactive flows.
- Designed modular components, including dynamic modals, pagination, and custom routing behavior.
- Delivered roadmap features ahead of schedule, with pixel-perfect UI, and clean, testable code.
- Collaborated directly with the CTO and CEO to shape UX improvements and core product logic.

### **Frontend Developer, 01/2022 – 06/2023**

#### **Commonwealth Financial Network – Waltham, MA**

- Worked closely with UX teams to translate wireframes and business goals into production-ready interfaces.
- Maintained and updated OpenText CMS content blocks for internal teams.
- Trained developers and content editors on CMS and workflow best practices.

### **Support Analyst, 10/2020 – 01/2022**

#### **Kimble Applications – Remote, MA**

- Resolved technical issues efficiently within SLA windows, improving client satisfaction in B2B environments.
- Queried Salesforce data using advanced SOQL to extract key client insights.
- Collaborated across international teams to deliver consistent, high-quality support.
- Provided detailed technical guidance to clients and internal stakeholders.

### **Developer Analyst, 02/2020 – 10/2020**

#### **American Association for Thoracic Surgery (AATS) – Beverly, MA**

- Authored secure SQL queries and views to enable self-service reporting for internal teams.
- Retrofitted legacy internal tools for improved UI and mobile compatibility across CMS-based workflows.
- Assisted with front-end adjustments and component enhancements in existing CMS environments.

## **Education and Training**

### **05/2017 North Shore Community College – Danvers, MA**

**Associate of Arts Liberal Arts**

## **Certifications**

- Full Stack Web Developer Certificate (University of New Hampshire)

## **Accomplishments**

- Honor Roll Student (2017)

## **Websites, Portfolios, Profiles**

- <https://mindmapmethod.netlify.app/>
- <https://github.com/pythonidaer/docs-summarizer>