

# Pete Hallock

Senior Software Engineer · AI + Product-Focused Builder

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Weare, NH · Remote / Hybrid

## SUMMARY

Senior Software Engineer with 15+ years of experience building scalable web applications, AI-powered systems, and real-world operational software across multiple industries.

Strong track record of designing and delivering production systems, including early adoption of LLM-based tooling for customer support and developer productivity prior to mainstream solutions. Experience spans system integrations, hardware-connected platforms, and high-impact user-facing applications.

Core Technologies: Ruby on Rails, Node.js, TypeScript, JavaScript, C#, React, Angular, REST APIs, GraphQL, SQL Server, relational databases, LLMs, embeddings, vector search, system integrations

## CORE TECHNOLOGIES

Languages: Ruby, Javascript / Typescript, C#, SQL

Frameworks: Ruby on Rails, Node.js, Express, [ASP.NET](#)

Frontend: React, Angular

APIs & Integrations: REST, GraphQL, System integrations, Financial integrations

AI & Systems: LLM integrations, embeddings, vector search

Databases: SQL Server, Relational databases

## EXPERIENCE

### Senior Software Engineer — Fullscript | Mar 2022 – Apr 2026

Healthcare platform supporting practitioner workflows, e-commerce, and integrations (Joined as part of Emerson Ecologics acquisition)

#### AI & Internal Tooling

- Built an AI-powered Slackbot enabling natural language access to internal support knowledge
- Designed and implemented a vector database and nearest-neighbor retrieval system using embeddings and semantic search (C# API)
- Enabled Customer Service teams to access accurate, context-aware answers in real time
- Developed an internal AI tool for querying the codebase with contextual explanations and code examples
- Delivered this capability ahead of modern AI developer tools, improving onboarding and knowledge sharing
- Created Cursor workflows and rules to automate planning, triage, and execution of Linear tickets
- Standardized AI-assisted development workflows across the team

## **Platform & Systems Engineering**

- Designed and developed system integrations and REST APIs enabling seamless transition of financial data from Sage to NetSuite
- Built backend services supporting high-volume transactional workflows
- Designed and implemented a scalable notification system used across multiple teams, supporting extensible notification types and centralized delivery
- Ensured system reliability and performance for user-facing notifications on high-traffic surfaces (e.g., landing page)
- Created clear documentation and extension patterns enabling other engineers to easily add and maintain new notification types

## **Platform Rebuild (Multi-Year Initiative)**

- Contributed to a full rebuild of the Emerson wholesale platform within the Fullscript ecosystem
- Delivered migration with no visible disruption to customers (appeared as UI refresh)

## **Technical Leadership & Ownership**

- Led cross-functional projects from ideation through production delivery
- Owned project scoping, ticket creation, and implementation across multiple initiatives
- Facilitated team discussions and ran project-level meetings
- Managed timelines and deliverables with engineering leadership and product
- Owned design and delivery of tools, services, and integrations end-to-end

## **Senior Software Engineer — Emerson Ecologics | Sep 2018 – Mar 2022**

Healthcare e-commerce platform focused on practitioner-grade supplements

- Developed core platform features across financial systems, backend services, and search functionality
- Improved product discovery through enhancements to search and data handling
- Contributed to modernization efforts including Magento 1 → Magento 2 and AngularJS → Angular (v2+)
- Took ownership of key initiatives across the platform, contributing to system design, implementation, and delivery
- Collaborated across engineering and product teams to deliver features and platform improvements
- Migrated legacy systems and workflows while maintaining stability and minimizing disruption to users
- Learned and implemented infrastructure patterns supporting updated platform architecture
- Implemented data obfuscation strategies for safe, production-like testing environments

## **ADDITIONAL EXPERIENCE**

### **CAMP Systems International — Software Engineer | Mar 2016 – Sep 2018**

- Developed software supporting aircraft maintenance and airworthiness compliance
- Built systems that integrated FAA regulatory data to ensure adherence to maintenance schedules and requirements
- Contributed to frontend modernization efforts, migrating legacy ExtJS applications to Angular (v2+)

## **PeopleNet — Senior Software Engineer | May 2013 – Mar 2016**

- Developed UI workflows and integrated software with onboard trucking hardware systems
- Built features supporting GPS tracking, engine telemetry, driver workflows (pickup/delivery), and hours-of-service compliance
- Integrated external devices including scanners and refrigerated trailer sensors
- Contributed to safety and control features such as remote shutdown capabilities

## **Archon Interactive — Software Engineer | Apr 2010 – May 2013**

- Developed warehouse management software supporting picking, packing, and asset tracking workflows
- Built mobile applications for handheld devices, including integration with RFID readers and printers
- Developed desktop applications integrating with automated systems including horizontal carousel units
- Designed and implemented RFID-based tracking systems to monitor asset location and movement in real time across warehouse operations
- Built a rotating license management system to support shared use of handheld devices across operations
- Identified and eliminated a manual device update process by designing and implementing an automated update system for handheld devices

## **PRODUCTS & PROJECTS**

### **RepoAnchor (VS Code Extension)**

[marketplace.visualstudio.com/items?itemName=PeteHallock.repoanchor](https://marketplace.visualstudio.com/items?itemName=PeteHallock.repoanchor)

[open-vsx.org/extension/8bitbytes/repoanchor](https://open-vsx.org/extension/8bitbytes/repoanchor)

- Built and shipped a developer productivity extension improving repository navigation and workflow efficiency
- Designed for real-world usage with emphasis on speed, usability, and developer experience
- Owned full lifecycle: ideation, development, publishing, and iteration

### **FuelAndMotion (AI Fitness App)**

[fuelandmotion.com](https://fuelandmotion.com)

- Built a full-stack application including React frontend, backend services, REST APIs, and AI integration
- Implemented image-based food recognition workflows for calorie tracking
- Iterating based on real user feedback in a closed beta environment

### **IEP Tools (AI + EdTech) — In Progress**

- Building AI-powered tools for IEP tracking, compliance workflows, and drafting assistance
- Focused on structured output generation and reducing administrative burden for educators

## **Letterweave**

letterweave.app

- Designed and launched a browser-based word game
- Implemented gameplay logic, scoring systems, and interactive user experience

## **TECHNICAL SKILLS**

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- APIs & Integrations: REST, GraphQL, system integrations, financial integrations
- AI & Systems: LLM integrations, embeddings, vector search
- Databases: SQL Server, relational design