

Benjamin D. Adams

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Work Experience

Pluswellbeing.ai

Contractor, Software Engineer

Nov 2025 - Present

Boston, MA (Remote)

- Built an agentic shopping workflow that transforms recipe ingredient lists into retailer cart links using n8n and Amazon Bedrock, with a modular adapter layer for Walmart and Instacart plus automated ingredient normalization.
- Created a reusable smoke-testing framework across 4 healthcare platform apps; integrated test management into Monday.com to standardize release QA and reduce regressions.

ATPCO

Intern, Software Engineer

Jun 2025 - Aug 2025

Herndon, VA

- Designed and implemented a custom OpenFeature provider that fetches YAML flag definitions from S3, parses them into an in-memory flag store, and serves low-latency runtime evaluations with graceful fallback.
- Wrote unit + integration tests with JUnit 5, Mockito, and JaCoCo to reach target coverage; added telemetry via OpenTelemetry and delivered a live demo.

Snipp Interactive

Intern, Software Engineer

Jan 2024 - Jun 2024

Bethesda, MD

- Built a Node.js API that ingests messy vendor CSV product lists and outputs validated, internal-system-ready structured data using OpenAI API prompt + schema workflows to normalize inconsistent fields and edge cases.
- Created a REST API for global address/location normalization using LibPostal to standardize international inputs and support fraud detection signals (e.g., deduping/normalizing addresses for risk checks).
- Implemented storage and retrieval for transformed datasets and job outputs in Amazon Web Services (S3), supporting repeatable processing pipelines.

Projects → bdadams.dev

LeetGenie

JavaScript, HTML/CSS, Chrome Extension APIs (Manifest V3), OpenAI GPT API

- Built a Chrome extension that injects a contextual “Hint” action into LeetCode problems and generates step-by-step guidance via the OpenAI GPT API to speed up problem-solving and learning.
- Manifest V3 Chrome extension with content scripts + background service worker, using message passing to send page context to an API layer and render results in the extension UI.

MiniShell

C, Unix, WebAssembly (Emscripten), JavaScript, HTML/CSS

- Built a Unix shell clone in C with a custom tokenizer/parser, process execution, redirection, and pipelines; compiled to WebAssembly for in-browser execution with a sandboxed virtual filesystem.

Education

Northeastern University

Sep 2022 - Apr 2026

B.S. Computer Science — AI/ML

Boston, MA

Technologies

Languages: Python, JavaScript/TypeScript, Kotlin, Java, Groovy, C/C++ | **Infra/DB:** AWS, Docker, PostgreSQL, MongoDB, Git
Frameworks: React, Node.js/Express, Flask, FastAPI | **ML:** PyTorch, TensorFlow, NumPy, OpenCV | **Misc:** Algorithms & Data, OOD, Machine Learning, Computer Systems, REST APIs