

Damien Alleyne

Senior Software Engineer | Production LLM Integration & Full-Stack Web Systems | Remote

resume@alleyne.dev | linkedin.com/in/damienalleyne | github.com/d-alleyne | Barbados (UTC-4)

SUMMARY

Senior Software Engineer with 12+ years building production web systems, now focused on integrating LLMs into live web products. Founder of Damien Alleyne Consulting Inc. since April 2022, where the work is turning a user or client problem into a shipped product: multi-provider LLM pipelines (OpenAI, Claude, Gemini) with benchmarked, cost-aware routing, vision-based extraction, and evaluation suites that catch regressions before release.

Strong TypeScript/React and Python, with enterprise-scale delivery: ~3 years on Automattic's WordPress.com platform (50M+ users) and ~9 years on Fortune 500 web systems at Northern Light.

CORE SKILLS

TypeScript

React

Python

Node.js

Multi-Provider LLM Routing

Vision-Based Extraction

LLM Evaluation

Microservices & Serverless

EXPERIENCE

Automattic (WordPress.com)

April 2022 - April 2025

Senior Software Engineer

Fully remote | Independent contractor via Damien Alleyne Consulting Inc.

- Contributed to Automattic's WordPress.com Internationalization team, serving 120+ languages and 50M+ users.
- Delivered an Elasticsearch-backed theme-search migration that improved non-English theme-search click-through by 18%.
- Built i18n linting that caught missing or malformed translation calls across PHP and JavaScript codebases.

Stack: PHP, JavaScript, TypeScript, React, MySQL, Elasticsearch, WordPress internals

Northern Light Group, LLC

August 2012 - December 2021

Full-Stack Developer (from Data Engineer)

Remote

- Built and maintained enterprise research portals and PHP/MySQL applications for Fortune 500 engagements; front-end in PHP/jQuery then React.
- Diagnosed and fixed a low-level Node.js fs memory leak and race condition in a Fortune 500 implementation.
- Implemented Node.js microservices on Kubernetes to modernize a legacy reporting system; onboarded and mentored engineers.
- Implemented per-client federated single sign-on (SSO) across enterprise identity providers.

Stack: PHP, MySQL, JavaScript, React, Node.js, Kubernetes, Perl

INDEPENDENT AI PRODUCTS

Damien Alleyne Consulting Inc. | April 2022 - Present | Remote

Receipt Scanner PWA app.bankinginbim.com

A vision-LLM receipt scanner in daily use. A ~200-line structured-extraction prompt handles multi-line items, abbreviation expansion, and prompt-injection defense; an LLM evaluation suite over hand-annotated real-receipt fixtures gates every release (production passes 94/94 assertions).

React, TypeScript | Hono on Cloudflare Workers | Cloudflare D1 + Drizzle ORM | Gemini

job-scout

Multi-provider LLM routing that selects a model per task on measured accuracy and cost, with fallback handling and benchmarking; self-hosted; scores each role on skills, seniority, comp, and geography, then surfaces the strongest matches.

Python | SQLite | OpenAI, Claude, Gemini

Banking in BIM

LLM extraction of published financial rate schedules reconciled against primary-source collection.

Next.js 15 | TypeScript | Cloudflare

GlobalRemote

Cron-scheduled ingestion with LLM classification of salary, geography, and interview-process data.

TypeScript | Cloudflare Workers | Apify

Client automation

[consulting](#)

Built and delivered a scheduled Make automation for a leadership-development consultancy: it reads their calendar and task manager, routes the context through an LLM, and sends a daily priority brief.

Make | Microsoft 365 | ClickUp | OpenAI

EDUCATION

MPhil, Digital Communications - University of the West Indies

Thesis: Low-Density Parity-Check (LDPC) Codes

BSc, Information Technology & Electronics - University of the West Indies

SKILLS

Languages: TypeScript, JavaScript, Node.js, Python, PHP

AI / LLM: multi-provider routing (OpenAI/Claude/Gemini), vision extraction, LLM evaluation & benchmarking, prompt engineering, fallback/latency/cost control, workflow automation (Make, n8n); AI-assisted development (Claude Code, Cursor, Codex)

Backend / Edge: REST APIs, microservices, Hono, Cloudflare Workers, Cloudflare D1, Drizzle ORM

Data / Scraping: SQLite, MySQL, Elasticsearch, Apify, Puppeteer, Playwright

Infrastructure: Docker, Kubernetes, GitHub Actions, CI/CD, Cloudflare

Practices: product analytics, technical writing, code review