Ciarán Trevino

Forward deployed engineer and technical product manager

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I ship technical systems that run unattended: an Arctic edge stack with 778 tests, a daily multi-agent operation, two production web platforms. Available 15 to 25 hours a week now, full-time from January 2027.

EXPERIENCE

Aqqut Chief Technology Officer, Arctic edge IoT — Sep 2025 – Present

- Built the edge decision engine on a RevolutionPi gateway, turning local MQTT telemetry into rule-based triggers for leak, power sag, freeze and sensor trust, each event carrying a plain-English reason.
- Shipped a store-and-forward outbox at 96 percent coverage that survives satellite outages and power cycles, delivering contract-valid events into a partner Azure IoT Hub pipeline.
- Maintained 778 automated tests with CI across two Python repositories, normalizing Monnit wireless, Modbus, GPIO and BLE sensors so a non-engineer partner can bring the site up over a satellite link.

ClearText (CT Technologies) Technical Co-Founder — Feb 2026 – Present

- Sole inventor on three patent-pending filings: ghost-field detection for the Argot layer, and two for recovering latent structure from identifiers assumed to be random.
- Built preregistered, hash-sealed evaluation harnesses for LLM endpoint behavior, and retired a product line that failed the kill criteria set before the build.

Rise8 Project Intern — Aug 2025 – Sep 2025

- Extended an internal AI platform from GitLab CI/CD to GitHub Actions, cutting a 40-plus-hour manual reporting process to under 10 minutes, with the pull request merged to production.

Royal College of Surgeons in Ireland Technical Product Manager (Internship) — Jun 2025 – Aug 2025

- Architected a Cursor- and LLM-driven workflow that took specifications to production in hours, roughly 90 percent faster.
- Delivered the Clinical Skills Agent, a multimodal retrieval-augmented generation system on Azure AI Search, Document Intelligence and Blob Storage, with a FastAPI back end and a Vue front end.

Celestron LLC and Space 4 All Ltd Lead Developer — Dec 2023 – Aug 2025

- Built a JavaScript application on the N2YO and Celestron APIs for satellite pass planning, automated slewing and image capture, with tethering across thousands of networked telescopes.
- Automated dome operations at the New Mexico Observatory Station.

Kohl's Product Manager and PM Intern — Jun 2022 – Jul 2024

- Shipped a Slack chatbot on the ChatGPT API with vector storage for executive Q&A and weekly reporting, still in production more than two years after I rolled off.
- Presented Marketplace Returns findings to 1,000-plus employees, proposing a method that unblocked marketplace scaling.

Pivotal Software Project Intern — Jun 2018 – Jul 2018

- Paired with front-end teams on client delivery including StubHub, in JavaScript and C++, at fourteen.

SELECTED PROJECTS

- **HQ**. 8 domain agents on custom MCP servers in daily production, with per-action human approval on every outward send.
- **Hearth**. A smart-home hub with 377 tests that requires two independent radio channels to agree before it reports an actuation.
- **ClearCheck**. An AI verification harness whose 200-probe drift suite runs daily in CI against pinned model endpoints, scored with McNemar tests and committed as hash-sealed evidence since July 2026.
- **Argot Layer**. A semantic translation layer for enterprise SaaS that catches the fields APIs silently drop, by diffing what a tenant returns against an independent reference corpus of 404K rows across 47 tables from 150-plus public sources.
- **Production sites**. Built wecanbreakthechain.com, a WordPress platform with 90 Playwright tests and a GA4 analytics rig, and communique.press, a Wagtail CMS on a VPS whose editor form I cut from 31,129 pixels of scroll to 810.

EDUCATION

New York University, School of Professional Studies — New York, NY

Bachelor of Science, Leadership and Management — Coursework complete Dec 2026, conferred Jan 2027

SKILLS

Languages: Python, JavaScript, C++, PHP, SQL
AI: LLM evaluation and drift testing, retrieval-augmented generation, multi-agent orchestration, MCP servers, OpenAI and Anthropic APIs
Cloud: Azure (AI Search, Document Intelligence, Blob Storage, IoT Hub, Device Twins), Docker, GitHub Actions, Tailscale, Caddy, systemd, VPS administration
Web: React, Vite, Vue, FastAPI, Django, Wagtail, WordPress, Playwright, GA4 and Search Console, SEO
Edge: MQTT, Modbus, BLE, Zigbee, ESP32, ESPHome, Home Assistant, RevolutionPi, NVIDIA Jetson, Raspberry Pi
Product: Discovery through delivery, outcome roadmaps, user research, Agile and Scrum, Jira