

Kieran Claude Bourne

AI Pioneer applicant

+44 7592 762289 | kieran@neubor.co.uk | Stoke-on-Trent, United Kingdom (45 minutes from Knutsford)

Interactive CV: <https://kieran-ai-pioneer-cv-production.up.railway.app>

Live builds: <https://www.neubor.co.uk/showroom> | Website: <https://www.neubor.co.uk>

PROFILE

Founder of Neubor, a one-person, AI-native web platform for UK local businesses. I run agentic AI workflows every working day: multi-agent pipelines with adversarial verifiers, CI gates that assume the model is wrong until a measurement says otherwise, and a house rule that a claim without a measurement is not a claim. No computer-science degree and no conventional route: chef, operations, galvanising line, founder. I travel light across unfamiliar domains — law, accessibility, SEO, publishing, 3D graphics, security hardening — build the workflow, prove it red before I trust it green, hand it over documented, and move on.

KEY MEASURED RESULTS

- 81 to 0: WCAG 2.2 A/AA findings across 7 live demo businesses, now a blocking CI gate (100 audits per run in 205 seconds; every route, two widths, accessibility panel open)
- 308 to 0: real contrast failures found by a pixel-sampling probe across 6,502 elements in both themes (302 in the light theme alone), now blocking in CI
- 0 errors, 0 issues: EPUBCheck 5.3.0 and Ace by DAISY on a 215-page book produced end to end, plus 700 automated reflow, enlargement, theme and keyboard assertions
- 6,048 counted design variants; 21 built pairs measured at least 8 of 12 axes apart; CI blocks sameness
- 53 test probes on a wired-or-exempt register: 25 executed in CI, 28 exempt with written reasons — the build fails when a test exists that nothing runs

SYSTEMS SHIPPED

Neubor platform and template library (Next.js, React, TypeScript, Node.js, Python, Railway, Vercel, CI/CD)

- Built and run a multi-tenant platform: 20 template packages across 92 verticals and 7 working demonstration businesses with booking, ordering, owner portals and per-tenant AI assistants
- Shipped Ivy, an AI receptionist answering enquiries, quoting jobs and booking appointments in the live demos; early client work earned 5-star Google reviews

Accessibility programme (axe-core, Playwright, CDP, pixel-composited contrast probes)

- Took 7 live demos from 81 WCAG 2.2 A/AA findings to 0 and made the audit a blocking CI gate
- Built a pixel-sampling contrast probe after identifying that axe reports 'incomplete' rather than 'violation' when it cannot resolve a background; it found 308 real failures a green audit had never seen
- Verified and fixed all three findings from an external auditor (Shaw Trust), then widened the gate; <https://www.neubor.co.uk/accessibility> publishes the dated measurement and the build fails if it is older than 120 days; we never claim compliance

Accessible by Default — Neubor Press (author, producer, entire pipeline)

- 215-page guide to UK/EU accessibility law and practice; 52,470-word manuscript; every legal claim read from the primary instrument; every code example executed under automated test before print
- EPUBCheck 0 errors; Ace by DAISY 0 issues; tagged PDF; ISBN 9798189301094; production-complete and staged on Amazon KDP
- Six plain-English guides live at <https://www.neubor.co.uk/guides>; next in the series: a practical guide to SEO, grounded in 12 Google and Semrush certifications

Built under my own steam

- Lantern Card Club: a Pokemon TCG collection platform with live customer accounts, exact-match card search and shareable binders, run to production standards
- CalyxScope: a 3D botanical specimen viewer with checksummed assets and browser gates that measure the rendered pixels; in July 2026 a gate proved the entry camera cropped the model on small phones and stayed red until the fix landed
- Discord automation: Pokemon TCG community bots deployed on Railway; their craft rules later became evaluation gates for the main platform

- Multi-agent workflow harness for LLM agents: parallel finders, adversarial verifier panels, structured-output contracts, token-budget-capped loops

SECURITY PRACTICE

- I run my own authorised adversarial auditor — a pen-test sentinel that attacks my own products, kept deliberately separate from the agents that build them. That is my red team, and it reports to me, not to them
- Prompt-injection defence in production: instruction-override, role-assertion, prompt-exfiltration, persona-break and fabrication-request are caught by rule BEFORE the model is called, so the defence costs no tokens and still holds when the provider is down
- The grounded assistant on my interactive CV is evaluated against 35 scored adversarial cases across injection, leading-trap and out-of-corpus classes; a fabricated claim is a failure at any severity, and the report publishes the four real defects the harness caught before it went green
- Fail-closed authentication, per-service credentials and login throttling enforced in CI; a secrets scanner that has already blocked a commit from the author of the policy
- PortSwigger Web Security Academy: 54 labs solved (Apprentice + Practitioner), including the complete access-control (13) and path-traversal (6) tracks: SQL injection (15 — hidden-data reads, login bypass, UNION extraction, blind boolean/error/time-based retrieval, WAF bypass via XML encoding), access control and IDOR (13 — privilege escalation and header-based bypasses like X-Original-URL and Referer), cross-site scripting (8 — reflected, stored and DOM), business logic (4 — client-side price trust, negative-quantity abuse, workflow-skip and coupon alternation), authentication (2 — 2FA-step bypass and password-reset logic), LLM attacks (excessive agency and command injection through an AI assistant's tools), path traversal (6) and information disclosure (4); method notes kept for each

HOW I WORK WITH AI

- Workflows, not vibe-coded apps: RED before GREEN — a new gate must first fail against the defect it exists to catch, or it is not a gate
- Daily, hands-on, multi-model: Claude (subscription, API and agentic CLI), ChatGPT, Gemini, Groq, Qwen (a local large language model, LLM, on my own hardware), Kimi on the waitlist, plus GLM routed for cost in production
- Prompt engineering, structured outputs, evaluation sets, human review before anything ships: session handovers, decision records, and a COMMON_MISTAKES log shared between me and my AI agents

INFRASTRUCTURE AND DATA

- Railway, Vercel, Cloudflare (DNS and R2 object storage), GitHub and GitHub Actions CI/CD
- Self-hosted Appwrite (MariaDB and Redis) in production, Supabase, SQLite and Postgres data stores; multiple live databases provisioned, secured and maintained

PERSONAL

- Genuine enthusiasm: the first thing I do when I wake is open the laptop; my commit timestamps routinely run past 1am; nobody assigns me this
- I have Asperger's. It is where the hyper-focus that holds me on a problem until it yields comes from, and the pattern-attention that catches what green dashboards miss; my accessibility programme is built on that lived experience

EMPLOYMENT

2025 - present: Founder, Neubor (Stoke-on-Trent) — everything above, plus sales, brand, proposals and 12 certifications, built while primary carer for a newborn

2024 - 2025: Customer Service Representative, Asda — handled escalated complaints including bereavement transactions, high-value refunds and product liability; consistently resolved

2024: Industrial Operative, Barkers Engineering (agency) — ISO 1461 galvanising plant; quality control, COSHH handling, high-throughput process discipline

2021 - 2024: Operations, Lees Handyman & Landscaping — ran the business end to end: acquisition, quoting, scheduling, procurement, resolution

2018 - 2021: Founder, KB Landscaping and Maintenance — my first company; set it up and ran it end to end: quoting, scheduling, clients and delivery. It did well and it ended; Neubor is the second company, not the first

2016 - 2018: Sous Chef, Brewhaus — team standards under service pressure at sprint cadence: ship twice a day, every day

2012 - 2016: Earlier roles — pastry chef (Trentham Gardens), care-home chef (Bradwell Nursing Home), retail (Tesco)

CERTIFICATIONS

Google Ads: AI-Powered Performance Ads; AI-Powered Shopping Ads

Semrush Academy (10): AI Search Operating System; AI PR Toolkit; On-Page SEO and AI Search; Keyword Research; Local SEO; Local Toolkit; International SEO; SEO Crash Course (Brian Dean); Content Toolkit; Traffic and Market Toolkit

EDUCATION

GCSEs, Chesterton Community High School: History B; Food Technology B; English Language C; English Literature C; Maths C; ICT C

Vocational, Cauldon College: NVQ Level 1 and 2 Hospitality and Catering, both Distinction (top of class); Health and Safety; First Aid; NVQ French and Spanish

ADDITIONAL INFORMATION

Right to work in the UK. Available immediately. Comfortable with the office-first model in Knutsford. Happy to demo any system in this CV live at interview, or build something new in front of you.