

James Haworth

Software Engineer | York, UK (relocating to London or Cambridge, 2027)

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Education

University of York

York, UK

BEng Computer Science with Artificial Intelligence (with a year in industry)

09/2023 – 06/2027

- Second year: First-class average (73.5%); top modules: Data Science (79%), Advanced Computer Systems (79%), Machine Learning & Optimisation (78%)
- Final year: Deep Learning, Natural Language Processing, Large Language Models, Cloud-based Data Analysis

Richard Hale School

Hertford, UK

A-Levels: Computer Science, Physics and Mathematics; EPQ (A*); Duke of Edinburgh Gold

09/2016 – 06/2023

Experience and Projects

ETAS (Bosch Group)

York, UK

Field Application Engineer (part-time)

07/2026 – Present

- Lead the team's agent-skills repository; onboarded colleagues to Claude Code and GitHub Copilot (8 use them weekly); wrote skills that investigate tickets and fact-check replies: some now take minutes, not hours

Software Engineering Intern (placement year)

07/2025 – 07/2026

- Resolved 170+ support tickets from car makers and Tier-1 suppliers worldwide on RTA-CAR (AUTOSAR Classic): reproduced faults, found root causes and escalated around 80 defects to R&D, most of them confirmed
- Overhauled the team's long-broken Jenkins CI/CD pipeline (Groovy) that builds, tests and releases customer demo projects, cutting release time from several hours to under an hour; adopted as the team standard
- Asked for a taster with the internal DevOps team; built a Grafana dashboard tracking a migration off legacy Bosch tools, pre-aggregating the data in InfluxDB so it loads fast; the team lead proposed one per product field
- Led SKDocs, a public-facing documentation site built with MkDocs and Jenkins, now ready to go live
- Rated by supervisor as "consistently contributing at a level comparable to his full-time peers"

Verified Handles (JEM Media Ltd)

London Area, UK

Founder & Lead Developer

11/2020 – Present

- Founded and run verifiedhandles.org, a public directory of verified social handles for 155,000+ public figures and organisations, 153,000+ linked to Wikidata
- Rebuilt it in 2026 as one TypeScript/PostgreSQL platform, replacing MediaWiki, PHP and Python bots; migrated all 591k historical revisions with zero data loss; live since 09/2026
- Designed the site, its architecture, its hosting (nginx, Varnish) and its monitoring (Prometheus, Grafana); built it with parallel Claude Code agents, each change gated by tests and staging
- Built JEMEDIA Accounts, the Go OAuth 2.0/OIDC provider behind sign-in
- Created an MCP server for running the directory with AI agents: dry runs by default, confirmation for destructive changes, never above the user's role, every write audited

York Wines

York, UK

Website/SEO Strategist

06/2024 – 05/2025

Web Development Intern

03/2024 – 06/2024

- Offered a contract after the internship, then an extension (owner's video testimonial: j-h.ai/york-wines)
- Grew online shop sales by 30% and website traffic by 20% through SEO, site integrations and UX work

Counting House | TypeScript, React, Hono, Go

github.com/jameshaworthcs/countinghouse

- Open-source, local-first UK personal finance tracker (50+ GitHub stars); built a field-level extraction eval: Sonnet 100% on 28 synthetic cases for \$1.04, local models via my llama.cpp gateway 99.1% on 41 for \$0

Technical Skills

Languages: Python, TypeScript/JavaScript, Go, Java, C, Groovy, SQL, HTML/CSS

Frameworks & Data: React, Next.js, Node.js, PostgreSQL, MkDocs

AI: LLM APIs, Model Context Protocol (MCP), Claude Code, GitHub Copilot, llama.cpp

DevOps & Tools: Jenkins, Git, Docker, Linux, Grafana, Terraform, Jira Service Management, Google Cloud, AWS

Automotive: RTA-CAR (AUTOSAR Classic), ISO 26262 functional-safety training