Richard Hallett

AI-Augmented Software Engineer | Agentic Workflows • React • Python

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Summary

Software Engineer operating at the frontier of AI-augmented development. Building production systems where humans orchestrate AI agents rather than write every line. 4 years enterprise experience (React/TypeScript, Python), combined with 15 years as a Cognitive Behavioural Therapist—expertise in structured reasoning, communication, and human-AI collaboration patterns. Currently shipping multi-agent workflows daily using Claude Code as my primary development methodology.

Experience

Founder | Oceanheart.ai
Apr 2024 – Present

- Built multi-agent orchestration systems using Claude Code, including automated job application pipelines with parser generation, match analysis, and document export
- Designed context-engineered workflows solving the "context rot" problem through external persistence via file-based state, PRDs, and git commits
- Implemented agentic loops for autonomous task completion with acceptance criteria validation
- Created reusable prompt architectures for consistent agent behaviour across domains
- Shipped client websites (Next.js, Astro) with custom CMS and AI-powered features

Software Engineer | EDITED
Nov 2023 – Mar 2024

- Developed React/TypeScript features for AI-driven retail analytics SaaS platform
- Built data visualisation components enabling clients to interpret ML insights
- Partnered with backend engineers (Python/Django) to optimize API integrations

Software Engineer | Brandwatch
Jun 2021 – Nov 2023

- Contributed to enterprise data visualisation platform (Monitor project) serving millions of users
- Built scalable React components while modernising legacy Backbone codebase
- Mentored junior developers and facilitated knowledge-sharing sessions

Full Stack Engineer | Telesoft
Sep 2020 – Feb 2021

- Delivered secure features for cybersecurity applications (TypeScript, Angular, Node.js)
- Built Python utilities for data processing and automation

Software Developer | School Business Services Ltd
Mar 2019 – Mar 2020

- Created Vue.js frontend features for school financial management software
- Applied psychology expertise to simplify complex workflows and improve usability

Skills

AI-Augmented Development: Agent orchestration (Claude Code), context engineering, prompt architecture, LLM capabilities from hands-on experience

Core Engineering: React, TypeScript, Vue, JavaScript ES6+, Python, Node.js, SQL, Docker

Testing & Workflow: Jest, Cypress, Git, Agile methodologies

Differentiators: Communication and structured reasoning (15yr CBT background), human-AI collaboration design, rapid prototyping

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Agentic Development Portfolio

Job Application Orchestration System: Multi-stage pipeline (HTML parsing, match scoring, CV tailoring, cover letter generation, PDF export) with agent-driven parser generation and file-based state management

Browser Automation Agents: WTTJ/Lever application automation via Kernel MCP with pattern matching for dynamic form completion

Technical Test Designer Agent: Multi-domain challenge generation (React/TS, Python, SQL, Docker) with rubric-driven difficulty calibration

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Psychology Background

15 years as a Cognitive Behavioural Therapist. This isn't just "soft skills"—it's structured problem decomposition, clear communication under uncertainty, and understanding how humans collaborate with systems. Directly applicable to prompt engineering, agent behaviour design, and building AI tools that actually help people.

Education

PGDip Cognitive Behavioural Therapy | Royal Holloway, London (2015)

PGCert Cognitive Behavioural Therapy | UCLAN (2013)

BSc Psychology | University of the West of England (2008)

Ongoing: AI/ML systems, context engineering patterns, agentic workflow design