

Emergent Systems Consulting

Specialist digital health consultancy — bridging science, AI, and regulated software

We close the gap between science, AI, software engineering, and safe regulated products — so digital health innovators can realise the value of their ideas, attract investment, and create meaningful impact in healthcare.

Who we help

Digital health innovators — founders, CTOs, and technical leaders at healthtech and life-science organisations, primarily Seed to Series B, building regulated, AI-enabled software where scientific rigour, engineering craft, and regulatory pathway must all line up to succeed.

What we do

Emergent Systems closes the technical translation gap — connecting scientific insight, AI/ML judgement, software architecture, regulatory pathway, and investor narrative into a single coherent technology strategy. Most teams have world-class science or world-class engineering, rarely both, and almost never with the regulatory fluency that SaMD demands. That gap is where good digital health companies quietly fail.

Services

Service	What you get
Fractional CTO — Digital Health	Senior technical leadership on retainer (1–3 days/week): strategy, architecture, hiring, investor and board cover.
Technology Strategy Sprint	4–6 week engagement: tech strategy, architecture diagrams, investable roadmap, risk register, and a working proof-of-concept.
Technical Due Diligence	2–3 week technical, AI/ML, regulatory, and team evaluation for VCs and acquirers. Written report + Q&A memo.
SaMD & Regulated Software Advisory	Focused advisory on software design, quality system, and evidence generation for clinical-grade software.
Board Technical Advisor	Independent technical voice at board level; quarterly sessions + interim memos.

Also available: *AI Integration Strategy · Health Data & Platform Architecture · Scientific → Software Translation · Innovate UK Grant Technical Advisory.*

Engagements scaled to stage and scope, from pro-bono and reduced-fee arrangements for mission-aligned early-stage innovators, through to full commercial rates for funded organisations. Happy to discuss options.

Why Emergent Systems

Led by **James Siddle** — a practitioner who combines, in one advisor, the disciplines that digital health usually splits across four people:

- SaMD products and clinical trials delivered at **Closed Loop Medicine**, with successful Innovate UK grants to the company's name.
- Personalised health platform architecture at **Our Future Health** (population-scale UK cohort).
- AI/ML product leadership for drug discovery as Product Manager at **BenevolentAI** — data mining, knowledge graphs, and applied ML turned into tools for biologists.
- Technical due diligence on a platform acquisition (**Lean Library**).
- MSc Software Engineering, **University of Oxford**. Inventor; published in digital health.

Get in touch James Siddle · emergentsystems.consulting@gmail.com