Anthony Wainman

Email : ajw.wainman@gmail.com

Director, AI Engineering | Outcome-driven AI, people-centric leadership | Startup builder, Angel Investor

Experience

- **ixlayer**

  Director, AI Engineering — *July 2026 - present*

  - **Responsibilities**: Leading AI strategy & engineering, building the internal agent platform: orchestration, model routing & human-in-the-loop workflows.
    - Standing up the AI engineering function: technical roadmap, hiring & frontier-model strategy
    - Deploying multi-agent systems automating internal workflows across engineering, operations & support
    - Owning evals, guardrails, observability & cost controls for AI systems

  Senior Engineering Manager — *June 2021 - July 2026*

  - **Responsibilities**: Joined as ixlayer's first engineering manager and built a cross-functional team developing solutions for the testing and diagnostics industry.
    - Implementing connections and partnerships with strategic labs and 3rd party providers across the US
    - Leading engineering efforts around scaling ixlayer's capabilities infrastructure, UI/UX and AI tooling wise

- **PalleTech** — San Francisco, CA

  Co-Founder & CTO — *Oct 2014 - June 2021*

  - **Company**: Smart connected transportation pallets cutting rental cost & delivering sensor telemetry (temperature, humidity & shocks) for the food & beverage industry. ***Alchemist Accelerator*** (Class XIV).
  - **Industrial Internet of Things**: Led the design, manufacture & scaling of a cost-effective, low power wireless smart sensing device capable of lasting over 8 years on 2x AA batteries. Co-led pricing negotiations with suppliers.
  - **Full Stack Architecture**: Architected the backend server, data ingress, frontend apps & hardware stacks.
  - **Patents**: Pallet Mesh Network – **patents.google.com/patent/US10354178B2**

- **ALPrint** — Boston, MA & Edinburgh, UK

  Co-Founder & CEO — *Jan 2013 - Dec 2013*

  - **Custom 3D printed orthotics**: For the high level snowsports community & professional athletes.

Publications

Technical Editor: *Building Applications with AI Agents* (M. Albada, **O'Reilly Media**, 2025)

Management Skills & experience

Track record: Championed a culture of ***ownership, reliability & automation***; ***hired, mentored & coached*** engineers; ***managed teams of up to 20 people***, contractors & interns.

Languages, Tools, Technologies & Frameworks

Languages: Python, NodeJS, TypeScript, SQL (advanced), C (familiar)

Technologies & Frameworks: AWS, Vercel, Cloudflare (Workers, R2, D1, KV, Durable Objects, Queues, Workers AI), K8s, Terraform, Pulumi, depot.dev, DB (Postgres, Convex, Redis, MongoDB, MySQL, Turbopuffer), Apache Iceberg, Trino, Django, Next.js, React, Vue, GraphQL, MQTT, Protobuf, Docker, Git

AI & Agents: Agent orchestration (LangGraph, CrewAI, Mastra, Flue, Hermes, OpenClaw), model routing, MCP, sandboxed code execution (E2B, Daytona, Modal, Vercel Sandbox, Cloudflare Sandbox), evals & observability (Harbor), guardrails, model finetuning (GEPA, LoRA)

Education

- **University of Cambridge** — Cambridge, UK
  Master of Industrial Systems, Manufacture & Management; Thesis: Manufacturing Big Data; — *Oct. 2013 – Aug. 2014*
- **Heriot-Watt University** — Edinburgh, UK
  Bachelor in Mechanical Engineering; First Class Honours; IMechE Best Dissertation Award — *Sept. 2009 – Aug. 2013*
- **MIT Global Founders Skills Accelerator**, *one of six teams selected worldwide* — *Cambridge, MA · 2013*

Projects & Passions

- **Foldhaus Art Collective**: Kinetic art exhibited at the Smithsonian **foldhaus.com** | Marathon Runner | Violinist