

Harry Ephremsen

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PROFESSIONAL SUMMARY

AI-native builder and technical systems architect with expertise in end-to-end product development. Experienced in investment analysis, systems architecture, and technical delivery.

EMPLOYMENT

ID Theory

London

August 2021 - Present

Technical Systems Architect - May 2024 to Present

- Architected and built a comprehensive internal data infrastructure supporting investment, risk, and operational workflows.
- Developed full-stack portfolio analytics dashboards, APIs, and research AI agents for fund automation.
- Built large-scale asset-scanning systems identifying emerging sectors, narratives, and quantitative signals.

Investment Analyst - August 2022 to May 2024

- Sourced and conducted due diligence on venture/liquid investments with focus on AI, autonomous agent infrastructure, and machine learning.
- Led technical analysis on AI/ML-driven investment opportunities focused on distributed compute, inference, training, and agent coordination.
- Lead on mutual fund committee seats (e.g. Seedclub AI Ventures & Metropolis AI DAO).

Operations Executive - August 2021 to February 2023

- Designed and maintained portfolio management systems in Excel (VBA) and Power BI for a multi-chain portfolio.
- Led two annual audits end-to-end as primary liaison to third-party administrators and auditors.
- Managed monthly NAV reconciliations, investor reporting, and operational workflows.

PROJECTS

[myaicards](#) (Independent Project)

- AI-powered greeting card platform (in beta testing) using image generation models to transform personal memories into printed cards.
- Built end-to-end: concept to production including microservices architecture handling image generation, ordering, payment, and print-on-demand fulfilment.

LLM Evaluation Platform (Independent Project)

- Blind, automated LLM benchmark comparing model capabilities across major providers.
- Implemented anonymised outputs, peer LLM cross-scoring, and aggregated rankings with analytics dashboard.

[AI Vulnerability Assessment Platform](#) (Collaborative Project)

- Operationalised research paper on human vulnerability to AI into a web platform with a dynamic questionnaire.
- Implemented 0-100 AI Vulnerability Score with analytics for user benchmarking and large-scale data collection.

TECHNICAL SKILLS

AI Tools: Claude Code, Codex, MCP servers

Languages: Python (backend, analytics, ML), TypeScript/JavaScript (frontend, Node.js)

Infrastructure: AWS, Google Cloud, DigitalOcean, Vercel, Docker, CI/CD, Git, Ansible, Kubernetes

Databases: PostgreSQL, MongoDB, Redis

Web & APIs: REST APIs, WebSockets, Webhooks, RPCs

OS: Arch Linux (daily driver), Ubuntu (servers), macOS (mobile)

EDUCATION

Machine Learning & Data Science (Le Wagon) - May 2024 to November 2024

- Intensive program covering supervised/unsupervised ML, deep learning, and model deployment.
- Developed ResNet-based binary classification model for mushroom toxicity detection on Kaggle dataset (20.5k training, 5.2k validation, 6.4k test images) achieving 90.57% accuracy and 0.94 AUC.

ADDITIONAL

Writing: Co-author of "[The Post-Human Economy](#)"

Interests: Endurance sports (Ironman 70.3 Mallorca competitor), golf, skiing, PC tinkering, linux ricing, AI developments, technology.

REFERENCES

Available upon request.