

Anthony Wainman

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Engineer & Technical Startup Founder

EXPERIENCE

• **PalleTech**

San Francisco, CA

Co-Founder & CTO

Aug 2014 - Present

- **Company:** PalleTech builds smart connected transportation pallets reducing pallet rental cost & providing valuable sensor information (e.g. temperature, humidity & shocks) for various industries such as the food & beverage industry. PalleTech was part of the competitive Alchemist Accelerator (Class XIV).
- **Responsibilities:** Responsible for setting, driving & implementing the *product and technical strategies*.
 - * Architected and built a full stack Industrial Internet of Things product offering
 - * Led a cross-disciplinary team of engineers, designers & contractors across the globe
 - * Worked hand in hand with customers and stakeholders in defining product-market fit
- **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 & managed the implementation of the backend network server, data ingress systems, frontend apps and hardware management stacks. Horizontally scalable, event driven, microservices oriented & entirely CloudFormation based. High degree of automation.
- **Patents:** Pallet Mesh Network – patents.google.com/patent/US10354178B2

• **ALPrint**

Boston, MA & Edinburgh, UK

Co-Founder & CEO

Jan 2013 - Dec 2013

- **Responsibilities:** ALPrint built custom 3D printed orthotics for the high level snowsports community and professional athletes. In charge of developing the core technology, fundraising, manufacturing and research partnerships. *MIT Global Founders Skills Accelerator* (Class of 2013 - one of 6 global selected teams).

MANAGEMENT SKILLS & EXPERIENCE

Skills: Strategy & goal setting, cross-team collaboration, work with ambiguity, lead by example, mentoring, hiring

Practices: Agile workflows (Trello, Asana, Notion), software (git, testing, linting, documentation), retrospectives, 1-on-1s

- Championed a strong engineering culture of *ownership, reliability and automation*.
- *Hired, mentored & coached* engineers. Developed strong rapport & focused on personal growth.
- *Managed a team of 7 engineers* (senior & junior), contractors, interns & service provider partners.

LANGUAGES, TOOLS, TECHNOLOGIES & FRAMEWORKS

Languages: Python, NodeJS, TypeScript, C, SQL

Tools: JetBrains Suite, Adobe (PS, AI, ID), SolidWorks, OrCAD

Technologies & Frameworks: AWS (λ , Kinesis, ES, EB, CF, RDS, IoT), DB (Redis, MongoDB, MySQL), Big Data (Presto, Spark, Hive), MQTT, Protobuf, React JS, React Native, GraphQL, Docker, Jenkins, Advanced Git

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

PROJECTS & PASSIONS

- **Foldhaus Art Collective:** Large scale kinetic art work, displayed at the Smithsonian & Burning Man foldhaus.com
- **Burning Man:** Camp founder (Alchemy Stop) & Lead - Offering homemade Limoncello & acoustic music in the desert
- **Sports:** Avid marathon runner (training for New York), triathlete, skier & rower
- **Music:** Violinist (> 20 years) & classical music enthusiast