

Alex Lennon

CEO & Tech Entrepreneur • Embedded Systems
& IoT

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28+ Years Experience

£2.2M Programme Value

4 Strategic Partnerships

5+ Mentoring Roles

Overview

Cambridge-educated technology entrepreneur who built Dynamic Devices Ltd from startup to leading embedded systems and IoT solutions provider over 20+ years. Proven track record of securing competitive funding from Innovate UK and the European Space Agency, with strategic partnerships spanning STFC, ESA/UKSA, Digital Catapult, and Foundries.io. Expert in secured embedded Linux development, containerisation, and regulatory compliance systems, combining deep technical expertise with strong commitment to open-source innovation.

Experience

Founder & Chief Executive Officer

2004 – Present (20+ years)

[Dynamic Devices Ltd](#)

Specialised embedded systems and IoT integration consultancy serving international clients

Strategic Partnerships

- ✓ STFC £2.2M 5G Ecosystem programme
- ✓ ESA/UKSA INST emergency services project
- ✓ Digital Catapult CHERI programme
- ✓ Foundries.io CRA/CE-RED compliance

Innovation & Recognition

- ✓ Innovate UK competition winner
- ✓ Yocto Project Summit 2022 keynote
- ✓ CHERI-enabled embedded Linux pioneer

- ✓ OpenEmbedded Organization member

Educational & Social Impact

- ✓ Studio School Liverpool UTC T-Level placements
- ✓ QuestWalk AR/VR automotive training
- ✓ Social Mobility Foundation mentor (5+ years)
- ✓ STEM Ambassador & Brightside mentor
- ✓ BCS TEALS programme volunteer

Chief Technology Officer

2020 – Present (4+ years)

V2G EVSE Ltd

Electric vehicle charging infrastructure and vehicle-to-grid technology company

- Leading technical strategy for EV charging and V2G technology development
- Overseeing embedded systems architecture for smart charging solutions
- Driving innovation in bidirectional charging and grid integration technologies

Embedded Software Manager

1996 – 2003 (7 years)

Arcom Control Systems Ltd

Cambridge-based embedded systems company

- Led embedded software development team for industrial control systems
- Managed board bring-up, OS porting, and device driver development
- Contributed to Linux kernel development and JFFS filesystem implementation

Technical Expertise

● Embedded Systems & Linux

- Linux Kernel Development
- Yocto Project & OpenEmbedded
- Device Driver Development
- Board Bring-up & BSP
- Real-time Systems
- Embedded Architecture

● Security & Compliance

- CHERI Memory Safety
- ARM Morello Integration
- CRA/CE-RED Compliance
- Cryptographic Security
- Secure Boot & PKI
- DevSecOps Practices

● IoT & Emerging Technologies

- IoT Platform Development
- 5G IoT Applications
- Protocols including MQTT/MQTT-SN/TLS
- Ultra-wideband Positioning
- AR/VR Development
- Edge Computing
- Space Technology

● Leadership & Strategy

- Open Source Governance
- Strategic Partnerships
- Technical Team Leadership
- Product Architecture
- Government Relations
- AI-Assisted Development

■ Key Projects

Integrated IoT Connected Hardware Platforms for CRA/CE-RED Compliance

First-mover advantage in regulatory compliance solutions with secured Yocto embedded Linux platform integration via Foundries.io partnership

INST Emergency Services Platform

ESA/UKSA-funded ultra-wideband positioning technology for mass casualty incidents

QuestWalk AR/VR Training

Open-source AR/VR platform for automotive training with Northern Automotive Alliance

■ Education

Robinson College, Cambridge

MA Engineering

1993 – 1996

■ Community & Governance

Board of Governors

[The Liverpool Athenaeum](#)

Arts and Culture governance and strategic leadership

- Strategic governance of Liverpool's premier private members' club and cultural institution
- Community leadership supporting Liverpool's arts, culture, and professional community

Sep 2023 – Present

Industry Partner & Work Placement Provider

[Studio School / UTC Liverpool](#)

Technical education and industry partnerships for 14-19 year olds

- Providing T-Level work placements in embedded systems and IoT development
- Delivering real-world technical projects bridging education and industry
- Supporting curriculum development for digital and engineering pathways

Sep 2020 – Present

SMF Mentor

[The Social Mobility Foundation](#)

Science and Technology sector mentoring

- Bridging the digital skills divide through digital sector mentoring

Apr 2020 – Present

- Supporting social mobility in technology careers

STEM Ambassador

Mar 2020 – Present

[STEM Ambassadors](#)

Science and Technology education outreach

- Bridging the digital skills divide by sharing IoT and embedded systems experience
- Promoting STEM education and technology career awareness