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
Dynamic Devices Ltd

2004 – Present (20+ years)

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

Sep 2023 – Present

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

Industry Partner & Work Placement Provider

Studio School / UTC Liverpool

Sep 2020 – Present

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

SMF Mentor

The Social Mobility Foundation

Apr 2020 – Present

Science and Technology sector mentoring

• Bridging the digital skills divide through digital sector mentoring

• Supporting social mobility in technology careers

STEM Ambassador

STEM Ambassadors

Mar 2020 – Present

Science and Technology education outreach

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

STEM Ambassador

STEM Ambassadors

Mar 2020 – Present

Science and Technology education outreach