QUALIFICATION TITLE

CTO Leadership of AI Certificate



From experienced IT professional to the technology executive who **delivers AI products** and **leads AI transformation**.

For Chief Technology Officers · 8-week online executive programme
Delivered by Red Bear AI in partnership with Durham University

8	16	24h	1
weeks online, optimised for busy professionals	live sessions: two 90-minute sessions a week	self-paced learning: 3 hours a week	applied leadership project and certification interview

LEARNING OBJECTIVES

The leadership outcomes we teach

By the end of the programme you will be able to:

Lead

- Own the CTO mandate at any scale
- Influence boards and investors
- Lead leaders under pressure

Govern

- Link technology work to business outcomes
- Turn backlogs into funded roadmaps
- Govern technology and manage budgets

Deliver

- Lead product management and engineering
- Lead cloud transformation
- Manage security and compliance risk

Transform

- Understand what AI and agents can and can't do
- Lead AI and digital transformation
- Pitch and defend your leadership plan

HOW YOU LEARN

Learn. Practise. Apply.

Learn
16 live sessions with C-suite instructors

Practise
Case studies and templates each week

Apply
Your own project, pitched and defended

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WHO IT IS FOR

You are being asked to deliver AI. Learn from people who have.

Aspiring CTOs

Senior engineers, architects and IT leaders ready to step up from running technology to setting its direction.

Start-up CTOs scaling up

CTOs who built the first product and now need the governance, finance and board skills of an enterprise CTO.

Tech founders

Technical founders who want recognised credibility with boards, investors and acquirers.

YOUR OUTCOMES

What you will be able to do

OUTCOME 1

Deliver AI products

Take an AI product from idea to production: strategy, team, architecture, agentic AI, cost and governance.

OUTCOME 2

Lead AI transformation

Build the case, win the board and lead the organisation-wide change that makes AI deliver real value.

WHAT YOU RECEIVE

Two certificates, one from a university and one from industry

Awarded on successful completion. Sample designs shown; final designs may vary.



Durham University · Certificate of Completion



Red Bear AI · Certificate of Achievement



Your delegate pack Illustrative; items may vary

- Two framed certificates
- Two textbooks
- Black polo shirt
- Leather laptop bag
- Pen set
- A5 binder

CURRICULUM

Eight weeks. Sixteen live sessions.

- **Weeks 1–2** — The CTO role & influence
- **Weeks 3–4** — Strategy, governance & finance
- **Weeks 5–6** — Leading delivery
- **Weeks 7–8** — AI & transformation

WEEK 1	**1 The CTO Role** Mandate, accountabilities and the CTO's place in the executive team.	**2 From Start-up to Enterprise CTO** What changes as you scale: teams, process, risk and delegation.
WEEK 2	**3 Influencing the Board & Investors** How boards decide, what investors probe, and how to present technology as value.	**4 Leadership & Communication** Leading leaders, executive presence and communicating under pressure.
WEEK 3	**5 Objective Setting** OKRs and measures that link technology work to business outcomes.	**6 Backlog to Roadmap** Prioritising demand into a credible, funded, communicable roadmap.
WEEK 4	**7 Technology Governance** Operations, security and change management that enable rather than slow.	**8 Budgeting & Financial Management** CapEx vs OpEx, cloud cost control, business cases and ROI.
WEEK 5	**9 Leading Product Management** Product strategy, discovery and the CTO–CPO partnership.	**10 Leading Solution Development** Engineering culture, architecture, delivery practices and quality.
WEEK 6	**11 Leading Cloud Transformation** Cloud strategy, migration, landing zones and operating models.	**12 Leading Security & Compliance** Cyber risk, regulation, data protection and board-level assurance.
WEEK 7	**13 AI Fundamentals & Machine Learning** How modern AI and ML work, what they can and can't do, and what they cost.	**14 Agentic AI** Agents, tools and orchestration: designing and governing autonomous systems.
WEEK 8	**15 Leading AI & Digital Transformation** Building the case, the team and the operating model to transform at scale.	**16 Applied Project Pitches** Present your CTO leadership project to a panel for feedback.

HOW IT WORKS

Learn it live, then apply it to your own organisation

Three hours live

Two 90-minute sessions a week, with your instructors and cohort.

Three hours self-paced

Case studies, reflective exercises and practical templates: roadmaps, budgets, board papers.

Your applied project

From week 3 you build an AI product or AI transformation plan for your own organisation or a case company, pitch it in week 8 and defend it in a certification interview.

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YOUR INSTRUCTORS

Proven, experienced C-suite instructors

You learn from people who hold these roles today and have built AI solutions themselves.



Cindy Haast

Chief Executive Officer
Red Bear AI
Formerly Capgemini

- Solution Director for AI and business automation at Capgemini
- Founded her own marketing consultancy
- Began in product sales and marketing



Vinay Kumar

Chief Product Officer
Red Bear AI
Formerly EY and BT

- Product leadership roles at EY and BT
- Worked with unicorn start-ups at EY
- Focus: scaling fast without losing control of how the business decides



Dr Dan Oliver

Chief Technology Officer
Red Bear AI
Formerly Microsoft, IBM and EY

- Cloud and AI CTO at IBM, Director of AI at EY
- Technology leader at Microsoft
- PhD in computer science
- Co-developed Durham University's CTO and Chief AI Officer courses

PROGRAMME FEE

£3,999

8-week online programme

Next cohort starts online in the week of 11 January 2027.

Limited places. Fee includes both certificates and the delegate pack.

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Programme lead: Dr Dan Oliver

Enquire now