COLIN LOMAS

HEAD OF DATA ENGINEERING

CONTACT

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On Request 📞
Oxford, UK 📍
[LinkedIn](#) 🔗

EDUCATION

Master of Science
Software Engineering
University of Oxford
2012-2017

SKILLS

Technical Leadership
Strategic Vision
Technical Management
30+ Years in Technology
Algorithmic Trading
BioTech
AWS
Rust
Python
Postgres
C#
Genomics
AI/NLP

PERSONAL

Play Drums and Guitar
Written 2 Novels
Music and Film Reviews
Football Coaching
Film Making

Ran Independent Record
Label for 15 Years

British Council's Young
Music Entrepreneur of the
Year Short List 2009

PROFILE

Proven global technical leader with 32 years' experience in a variety of industry sectors. Ability to work under pressure with competing priorities while keeping a clear strategic vision for the team and company. Excellent interpersonal skills, passionate about giving clear and exciting development progression for the technical team. Experience and expertise in a huge variety of technologies across languages, databases, CI/CD, containerisation, and cloud. Consistently implemented successful Agile development processes across all companies. Passionate about developing cross functional teams within a company to help technical business knowledge and educated innovation from developers.

WORK EXPERIENCE

Head of Data Engineering

Akrivia Health

2021 - Current / Oxford

- Ran the data engineering team at an AI based BioTech data provider, using NHS patient data, NLP, genomics and complex ETL pipelines, primarily using AWS, Python, Rust, Postgres.
- Responsibility for the strategic technical vision and long-term road map of the company.
- Line management responsibilities for 12 software and DevOps engineers.
- Successfully delivered on several complex, competing internal and external projects with limited resources.

Team Leader

Science and Technology Facilities Council

2018 – 2020 / Harwell, Oxfordshire

- Lead development on the DAFNI system, the government's new infrastructure modelling platform in Python.

Head of UK Development

Altaine

2013 – 2017 / Auckland (Home Based)

- Architected, project-managed and developed several new systems for various clients, encompassing server, middleware/API and UI (C# 5, WebAPI, MVC, WPF), using Agile TDD.
- Represented Altaine as pre-sales technical consultant/architect.

Team Lead
K3 Business Technology Group

2012 – 2013 / Oxford

- Led the team responsible for a Silverlight based system for Oxfam.
- Developed an integration layer between the Ingenico EFT system and the Dynamics Navision POS platform for Dublin Airport Authority.

Associate Director (Exotics / Delta One)
Lehman Brothers / Nomura

2008 – 2011 / London & Umea, Sweden

- Team Lead in the Exotics risk team (C#).
- Led the development of the new Islamic Finance team.
- Managed the development team responsible for the integration of Nomura and Lehman's systems with the Exotics Risk platform.
- Led the new Global Delta One development team at Nomura (UK, Sweden, India), working directly for the Global Head of Delta One and Equity Finance. The team were responsible for a new ETF NAV calculator and an ETF market making platform to be used by both the Delta One and Vol desk (VIX ETFs) using C#, WPF with Q/R integration and some F#.

Associate Director (Delta One)
Barclays Capital

2006 – 2008 / London & New York

- Wrote front office algorithmic trading systems in C# including basket, pairs and fair value, real time Delta One risk systems, stat arb correlation/factor matrices in MatLab/R and optimised basket calculators.
- Developed a real time KDB based pricing feed in TibCo via Reuters to facilitate algorithmic trading such as global index closed market equity replacement.
- Spent 6 months in New York as interim manager developing the trading applications for the new US Delta One trading desk.

Head of Emerging Technologies
NYT

2003 – 2006 / London

- Lead innovation team to produce ground-breaking web and mobile telecoms applications in C#.

Front Office Developer / Team Lead
UBS O'Connor

2001 – 2003 / London

- Worked directly with MD level Derivatives traders to develop trading applications in Perl and Java, some linking into Bloomberg via the C-API or the BB ActiveX component.
- Developed systems to assist the day-to-day trading and new electronic strategy system via FIX.

Various
Software Engineer / Project Lead

1992 – 2001 / Nottingham, Preston & London