

James Siddle

London, United Kingdom
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About Jim

A driven and professional Technology Strategist, Executive, and Software Engineer with a strong track record delivering innovative products in the healthcare and life science industries.

Jim applies his extensive experience to create compelling technology strategies and vision, drive key technology initiatives aligned with commercial and clinical needs, build effective and standards-compliant software delivery capabilities, and nurture the key relationships and culture required for business success.

Selected Notable Accomplishments

Please see page 2 for details

- Drove successful delivery of CLM's first digital treatment for dose management, from inception to through to Medical Device CE-mark.
- Established, managed, and oversaw the core software engineering function at Closed Loop Medicine, from first line of code to established capability.
- Drove the creation of an innovative technology platform for drug dose optimisation, leading to submission of several technology patents.
- Established initial Product Strategy for BenevolentAI, focused on novel digital and AI enabled workflows for drug discovery.
- Led the software development and delivery of SureChem, a cheminformatics search engine based on pharmaceutical patents.

Education

University of Oxford **MSc Software Engineering — 2006-2010**

Pass with distinction. Average grade A/A+, dissertation mark: 90

Loughborough University **BSc Computing — 1993-1997**

First Class (honours)

Guiseley School **A-levels in Computing, Business, English**

Certifications Ongoing Study

Chartered member of British Computer Society (MBCS CITP)

Certified Scrum Product Owner (CSPO)

Ongoing self study (Coursera)

Machine Learning

Calculus One

Statistics for Genomic Data Science

Key Skills

- **Strategic Management** - from line management of teams of software engineers to functional leadership and business strategy alignment
- **Data-intensive applications** - data mining, large-scale data processing, knowledge discovery and search, analytics and visualization.
- **Healthcare and Life Sciences** - drug discovery, genomics, personalised medicine, and medical device software (inc. 13485 / 62304).
- **Software Engineering** - deep technical skills in Java stack, databases, web, cloud, and numerous others from 20+ years engineering experience.
- **Architecture** - broad experience across technical and data architectures; recently focused on Microservice and Event Driven approaches.

Recent Experience

References available
via LinkedIn, or on request

VP of Technology, Closed Loop Medicine

London, UK — 2018-Present (4+ years)

Joined Closed Loop Medicine as the first technical hire in 2018, and spent the next four and a half years establishing the core technology function, overseeing the delivery and operation of a novel digital treatment system focused on drug/dose optimisation, representing a first-in-kind drug plus digital combination product therapeutic.

This involved building CLM's core Software Engineering capability from scratch, recruiting and line managing key staff, establishing delivery rituals, policies, and procedures suitable for medical device development, defining technology strategy and product architecture, and ultimately driving key technology initiatives across business functions. My role also involved ensuring compliance with Software as a Medical Device standards (13485, 62304), as well as engagement in data and security governance (GDPR, NIST standards, HITECH etc).

Notable Accomplishments:

- Drove successful delivery of CLM's first digital treatment for dose management, from inception to through to Medical Device CE-mark.
- Drove the creation of an innovative technology platform for drug dose optimisation, leading to submission of several technology patents.
- Established, managed, and oversaw the CLM software engineering function, including procedures for developing software to meet regulatory requirements for medical devices (IEC 62304, ISO 13485).
- Successfully managed operation of three clinical studies, including one of the few UK studies to continue during the COVID-19 pandemic.

Principal Consultant, Skyhook Consulting (limited company)

London, UK — 2014-2018 (5 years)

Managed a one-person limited company for several years, providing Strategic Product and Technical Leadership services to businesses in the UK and worldwide. I took this opportunity to build on and expand my exposure to the life sciences, while learning about the different roles, maturity levels, and attitudes towards technology across different business sectors, scales, and functions.

Life science clients included **BenevolentAI**, **GenenTech**, and the **European Bioinformatics Institute**. I additionally supported **Pusher**, **SAGE Publishing**, and **M&S** during my time running Skyhook consulting.

Notable Accomplishments:

- Established the initial Product Strategy for BenevolentAI, focused on exploration of novel digital and AI enabled workflows for drug discovery.
- Drove the technical roadmapping and delivery of early versions of a new passport application processing system for the UK Home Office (HMPO).
- Provided specialised technical consultancy for European Bioinformatics Institute and GenenTech, focused on delivering several updates to the SureChem cheminformatics platform.
- Facilitated exploratory product development for Pusher, focused on a new messaging middleware platform.

Earlier Career History

Details available on request

Technical Product Manager, Digital Science

London, UK — 2013-2014 (1 year)

Novel product design focused on science metrics

Senior Software Engineer, Digital Science / SureChem

London, UK — 2010-2013 (3 years)

Cheminformatics. Data mining and specialised search software for drug discovery.

Senior Software Engineer, IBM

Winchester, UK — 2006-2010 (5 years)

Messaging middleware software development.

Software Engineer, Siemens Communications

Nottingham, UK — 2000-2006 (6 years)

Telephony systems management and Voice Over IP Software Engineering

Junior Programmer, Mercia Software

Birmingham, UK — 1998-2000 (2 years)

Supply chain management software development with applied Bayesian statistics

BSc Industrial Trainee, IBM

Winchester, UK — 1995-1996 (1 year)

Messaging middleware software development.

Interests

- Rock climbing both indoors and outdoors
- Volunteering at the theatre at Alexandra Palace, near my home
- Games of all kinds, especially board games