James Siddle

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About Jim

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

Applies extensive experience to create compelling technology strategies and vision, drive initiatives aligned with commercial, product, and technical needs, build effective and standards-compliant software delivery capabilities, and nurtures the key relationships and culture required for business success.

Selected Notable Accomplishments

Please see page 2 for details

- Architected and delivered the Health Insights platform for Our Future Health, driving the key strategic outcome of first feedback to participants.
- Drove successful delivery of CLM's first digital treatment for dose management, from inception through to Medical Device certification.
- Led 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)

Continuing Professional Development

Deep Learning Specialisation	*Andrew Ng*
Stats for Genomic Data Science	*John Hopkins*
Precision Medicine	*U. Geneva*
Calculus One	*Ohio State*

Key Skills

- **Strategic Management** - from line management 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 visualisation.
- **Healthcare and Life Sciences** - drug discovery, personalised medicine, genomics, and medical device software (inc. 13485 / 62304).
- **Software Engineering** - deep technical skills in Python, Java, databases, web, cloud, mobile and many others from 20+ years experience.
- **Architecture** - broad experience across technical and data architectures; recently focused on Microservice and Event Driven approaches.

Recent Experience

Health Tech Consultant / Architect, Our Future Health

London, UK — 2024-2025 (1+ year)

Led the design and delivery of the health insights system for Our Future Health, providing a key strategic outcome of the first live health feedback to study participants, and building the foundational data processing, security, and UI capabilities required to deliver feedback to over 1.5 million study participants based on their individual health data.

Notable Accomplishments:
- Architected, developed, and launched a pivotal new system to return health insights to participants, based on Python, Next.JS, and PostgreSQL. Oversaw product launch, and prepared the full-cohort rollout roadmap.
- Collaborated with regulatory, data governance, and security specialists to define the software's intended purpose and ensure regulatory compliance; facilitated executive decisions on genetic risk factor reporting, leveraging medical device expertise to guide organizational strategy.

VP of Technology, Closed Loop Medicine

London, UK — 2018-2023 (4+ years)

Built CLM's core Software Engineering capability from scratch. Recruited and managed key staff, established delivery rituals, policies, and procedures suitable for medical device development, defined technology strategy and product architecture, and led key technology initiatives spanning business functions. Successfully drove the development of CLM's certified medical device software for Insomnia while ensuring compliance with applicable Medical Device standards (13485, 62304), and oversaw organisational data and information governance (GDPR, ISO 27001).

Notable Accomplishments:
- Drove successful delivery of CLM's first digital treatment for Insomnia dose management, from inception to through to Medical Device certification.
- 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 the 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 personal service company, providing strategic product and technical leadership services to businesses in the UK and worldwide with a focus on data-intensive software for life science research. Key clients included **BenevolentAI**, **GenenTech,** and the **European Bioinformatics Institute**, and the **UK Passport Office.**.

Notable Accomplishments:
- Established the initial product strategy for BenevolentAI, focused on exploration of novel AI enabled workflows for drug discovery and leading to the first set of novel compounds selected for in-depth research.
- Drove the technical roadmapping and delivery 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.

Lead Software Engineer, Digital Science / SureChem

London, UK — 2010-2014 (4 years)

Lead developer for SureChem, a large-scale cheminformatics text mining system designed for drug discovery researchers to query pharmaceutical patent data using natural language processing (NLP). Developed the framework, tools, and metrics to evaluate core entity extraction technologies, and implemented improvements leading to percentage-point increases in model accuracy against the gold standard. Led the development of a complete product refresh, introducing a new web search interface, performance improvements, API access, and data extraction. Supported the launch of the *SureChemDirect* product, and enabled sales activities that resulted in an anchoring sale to a major pharmaceutical company.

Earlier Career History

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
- Games of all kinds, especially board games