

Summary

I am a Director, Founder, Fractional CTO, Technology Advisor, and Professor with over 20 years of experience in creating, delivering, and leading complex and advanced software solutions across various domains and industries. I have a PhD in Computational BioFluid Dynamics and multiple certifications in .Net Framework, Machine Learning, and Microsoft Application Development.

My mission is to propel technology-focused businesses to excel in a fiercely competitive market and to help non-technology focused businesses become technology-driven ones. I do this by leveraging my knowledge, expertise, and network of technologists, and by curating high-performance technical teams. I am also passionate about mentoring technology leaders who aspire to become inspirational mentors themselves, and about teaching and researching in the field of artificial intelligence. I am the Founder of Indigo Labs Limited, a technology advisory business that provides strategic, visionary, and product guidance to clients. I am also involved in several other projects and roles as a Fractional CTO, Partner, Technology Strategy Advisor, Professor, Module Leader, and Non Executive Director.

Experience

Indigo Labs Limited

Director, Founder

January 2014 - Present (10 years 4 months)

Technology Advisory business that lends its knowledge, expertise and vast network of technologists to companies that wish to stay ahead of the curve in terms of strategy, vision and product roadmap. We help make non-technology focused businesses into technology-driven ones, providing that competitive advantage that less visionary competitors lack. We propel technology-focused

businesses to move up the ranks by ensuring the appropriate strategy, roadmap and vision is in place to excel in a fiercely competitive market.

Oxford Immune Algorithmics Ltd

Fractional CTO

November 2022 - Present (1 year 6 months)

Reading, England, United Kingdom

OIA is an established MedTech start-up that are focused on creating Algoocyte, the first ever AI-driven mobile blood testing device, that can generate Full Blood Count analysis in under 10 minutes in a safe and repeatable way.

This device will revolutionise the way patients interact with their healthcare providers, shortening time to diagnosis and improving the quality of care they receive.

I am currently responsible for the delivery teams (Software, Ai, Optics, Electronics, Mechanics, Product Design and Bioengineering) to ensure that the tight deadlines, technical challenges and investor relations expectations are all exceeded throughout the process. The team has already successfully broken through some of the key challenges that were slowing down delivery and they are well on the path to delivering their first production-ready product.

PLD Space

Senior Technology Advisor

August 2022 - Present (1 year 9 months)

Elche, Valencian Community, Spain

PLD Space is one of the most advanced Satellite Micro-launcher companies in Europe. In its short lifespan, it has already achieved full certification of its first rocket and engine technology and will be building a larger, more payload capable model soon. I have supported their mission to become data-centric, by designing and supporting the implementation of an advanced data capture, processing, and analysis pipeline to underpin all operational and test capabilities of the company. By creating such a system, PLD can run huge numbers of simulations and tests and compare outcomes in near real-time, to enable their engineers to test, validate and optimize all the parts of the rocket in preparation for their first commercial launch.

Fruitful Insights

Fractional CTO

January 2021 - Present (3 years 4 months)

London, England, United Kingdom

Fruitful Insights has developed a novel tool for companies to comprehensively assess the status of their workforce, physically, mentally, financially, etc. It can also determine the culture and dynamics within the company and departments and provide clear impact reports of the staff on the company.

As full hands-on CTO role, I'm deeply involved in designing the solution, selecting the development team and direct the build and deployment of the software. As part of this role, I led the certification process for ISO 27001 for Fruitful Insights which was achieved on its first attempt with not a single negative observation. The software is now in use by several high-profile enterprise clients, and revenue generating after less than two years from inception.

Imperial College Business School

Module Leader

June 2020 - Present (3 years 11 months)

London, England Metropolitan Area

Lecturer and leader of the Analytics in Business module for the MSc Business Analytics at the Imperial College Business School, named "the world's most elite MSc". As module leader I am responsible for the content, management and delivery of the course, as well as for the evaluation, mentoring and successful completion of the course by the students.

The combination of my industry experience in this area together with my academic background made for the perfect opportunity to share some of the knowledge gained over the last 20 years with the next generation coming into the market. This is one of my passion projects brought up to a very high academic level.

Seedcloud

Partner

August 2021 - Present (2 years 9 months)

United Kingdom

SeedCloud combines technical leadership, investment advisory services and an early stage incubator. The result is expert advice rooted in emergent best practices and trusted by top Enterprises, VC and PE funds.

SeedCloud helps companies realise the value of their technology investments – and, where necessary, helps them to transform and/or modernise people, process and technology to achieve business goals.

Friend MTS

Technology Adviser

March 2023 - Present (1 year 2 months)

London, England, United Kingdom

Friend MTS is a leading global provider of advanced content security and anti-piracy services and solutions. From forensic watermarking, fingerprint-augmented content monitoring and legal enforcement to actionable business intelligence, they disrupt real-world piracy to protect revenue for content owners, broadcasters and OTT service providers and maximise their investment in live, linear and on-demand high-value content.

I'm currently supporting the market-leading content security company in refining and optimising their processes, technology and teams to continue to be at the forefront of the industry. The incredibly advanced algorithms and the products built around them are constantly evolving, and this needs to be powered by a best-in-class technology organisation. To that effect, I'm supporting the company in ensuring they nurture and grow their people, processes and product to remain at the leading edge of the industry.

Instituto de Inteligencia Artificial

Professor - Artificial Intelligence Executive Master

April 2021 - Present (3 years 1 month)

Alicante, Valencian Community, Spain

Bspoke Global Networks Ltd (BGN)

Technology Strategy Advisor

February 2017 - April 2023 (6 years 3 months)

An advisory role where I lend my knowledge and expertise to an up and coming company who are key suppliers of technology to F1 and other industries. The realisation that software defined systems, cloud, machine learning and AI is where the future lies will help BGN deliver some astounding services that will enable their customers to edge ahead of the competition, and not by a small margin!

honu.ai

Fractional CTO

May 2022 - January 2023 (9 months)

London, England, United Kingdom

Honu.ai We are building the world's most beloved, trusted, and intelligent platform to give small business owners superhuman decision making

capabilities. Performing a hands-on CTO role, managing the Product, Engineering and Data Science teams, setting the technology and architectural vision, and ensuring the teams deliver on this. Close alignment with the visionary CEO and the business maximised the value I brought to the company.

MyDogDoc

Fractional CTO

January 2021 - July 2022 (1 year 7 months)

London, England, United Kingdom

MyDogDoc offers a product marketplace and a tele-veterinary service for dog owners. The premise is to be able to solve most dog conditions through a video consultation, where prescriptions and products can be offered to the pet owner leveraging extensive personalization algorithms. As full hands-on CTO, I took ownership of the design, team, and product builds as well as regular investor conversations during funding rounds. The solution is designed to be highly scalable and to leverage AI/ML models that enable vets and pet owners to take advantage of product as well as treatment recommendations by the system.

UREGO - A better us

CTO and Co-founder

March 2021 - April 2022 (1 year 2 months)

Zurich, Switzerland

Working with an incredible team of people to build the future of a technology platform designed to increase the happiness and longevity of all humans, improve our sense of community, drive towards a sustainable future and ultimately deliver REAL CHANGE.

Deontics Ltd

Non Executive Director

November 2020 - June 2021 (8 months)

London, England, United Kingdom

Technology NED for one of the most promising healthtech companies in the UK. Working on developing the technology and product strategies to reach a wider market and ensure clinicians are supported by the strongest clinical knowledge in the market whilst patients benefit from consistent, safe and optimal healthcare.

ZENERGOS LTD

Co-founder and CTO

July 2015 - January 2021 (5 years 7 months)

United Kingdom

As co-founder and CTO of Zenergos I am in charge of all product and technology decisions; I have built and continue to work on our app and business portal so that both end-users and company administrators can enjoy the benefits of a well-being app as well as allowing employers to spot trends on different areas that they might want to target in order to improve the well being of their employees.

Ometria

Fractional CTO

October 2020 - December 2020 (3 months)

London, England, United Kingdom

Leading the Product and Engineering functions at the premier customer marketing platform for retail organisations. Ometria gives marketers the ability to create personalised experiences throughout the customer journey whilst bringing together data from all customer touchpoints to build a unified profile of each shopper. The extensive use of AI and advanced data practices deliver the leading platform in the industry.

EB Charging

Fractional CTO

May 2020 - September 2020 (5 months)

United Kingdom

EB Charging is a company built on a belief in making positive changes. Their work aims to benefit the quality of air and the environment using the latest, innovative, scientifically-backed electric vehicle (EV) technologies, powered by 100% renewable energy.

As their fractional CTO I help EB with their future strategy, potentially refocusing efforts on becoming a smart technology company that can not only solve their customers' challenges, but exceed every expectation whilst transforming the UK's transport network. Amazing challenge with amazing people!

DoctorLink

Chief Technology Officer

March 2018 - May 2020 (2 years 3 months)

London, United Kingdom

Responsible for developing and leading on the technical vision, architecture, platform, product development and infrastructure across the DoctorLink group of companies to ensure that we are investing in the right technology to enable us to scale at pace and deliver world class products with the aim to simplify healthcare for everyone.

OVO Energy

Group Technical Director

February 2017 - March 2018 (1 year 2 months)

London, United Kingdom

Leading the technology function for OVO Energy Group of companies, spearheading OVO's wider focus on developing future-facing solutions that harness the disruptive power of tech for the benefit of customers and the energy industry.

Manor Racing Formula 1 Team

11 months

Chief Technology Officer

May 2016 - January 2017 (9 months)

Banbury, United Kingdom

Owner of all Software Development, Data Science and on-track and in-building IT teams and strategies, ensuring that one of the smallest Formula 1 teams are also one of the smartest through our use of technology, championing data-driven decisions that help improve the performance of our cars on the track but also our efficiency as a business.

Creating and managing strong strategic technological relationships to disrupt Formula 1 with technological advances that lie beyond sophisticated aerodynamics and vehicle science. Pushing the boundaries of data-driven research to solve complex problems and to make Manor Racing the F1 team to watch!

Head of Special Projects

March 2016 - April 2016 (2 months)

Banbury, United Kingdom

Creating and managing strong strategic technological relationships to disrupt Formula One with technological advances beyond sophisticated aerodynamics and vehicle science. Pushing the boundaries of data-driven research to solve complex problems and to make Manor Racing the F1 team to watch!

Amazon Development Centre, London
Software Development Manager
September 2014 - March 2016 (1 year 7 months)

Heading the Software Development Team for Amazon Instant Video Partner Distribution. Responsible for technical interactions with all SoC manufacturers world-wide, as well as running the day to day of a number of teams of very talented software engineers in London and Bangalore who ensure that the AIV app runs flawlessly on all our partners' devices.

FCB Inferno
Interim Head of Technology
January 2014 - August 2014 (8 months)

Overseer of the technical development teams and responsible for the software and infrastructure architectures that enable the company to be at the cutting edge of technology to better serve its clients' needs. This involves a good amount of hands-on work around Amazon AWS and Microsoft Azure architectures, as well as front-end (AngularJS, PhoneGap...) and back-end (Node.js, .Net MVC...) work for some of our high-profile client accounts.

Resilient Networks plc
VP Applications Development
July 2010 - December 2013 (3 years 6 months)

Responsible for the Strategy, Architectural Design and Implementation of Resilient's customer facing applications, as well as the day to day line management of a team of developers, DevOps and UI/UX architects.

Generalistics Ltd.
Co-founder & Chief Software Architect
October 2010 - December 2012 (2 years 3 months)

The aim of Generalistics Ltd was to create an advanced cloud-based system to support the relationship between health professionals and patients through easy-to-use web and mobile applications. The technologies used included Microsoft Windows Azure, ASP.Net MVC4, ASP.Net WebAPI, SQL Server 2012 and Amazon SES. I was uniquely responsible for the full architecture design and implementation of the solution. This was an entirely cloud-based design and implemented many of the highly scalable, highly resilient patterns that come with this sort of architecture.

Causeway Technologies
Director of Technology

May 2009 - July 2010 (1 year 3 months)

GlobalLive Ltd.

Technical Director

March 2008 - May 2009 (1 year 3 months)

Executive member of the board of GlobalLive, responsible for running the development, technical support and operations departments within the company.

Pace Micro Technology plc

Software Architect

March 2006 - March 2008 (2 years 1 month)

Saltaire, United Kingdom

As Software Architect at Pace I designed and managed the implementation of a complete software stack to manage the next generation settop boxes, with advanced algorithms and the creation of a novel rules engine to maximise the quality of the video displayed to the consumer.

Avanade

Associate Principal Consultant

November 2004 - March 2006 (1 year 5 months)

As Associate Principal Consultant at Avanade I was in charge of a number of consultancy projects as technical lead and architect. My proudest moment was to be the Architect, one of the developers and the tech lead of a team to build a Pro Bono solution to track and live blog a charity drive across Africa.

Freelance

Expert IT Advisor

January 2002 - November 2004 (2 years 11 months)

In this role I provide advise to large and medium corporations as to whether a given business/asset acquisition is a good investment from the technological point of view as well as the implications on taking over the IP from an external source.

Minorplanet Systems plc

Head of Software Research

August 2001 - November 2004 (3 years 4 months)

Sony Computer Entertainment Europe

Software Developer

January 2001 - August 2001 (8 months)

Education

University of Leeds

PhD, Computational BioFluid Dynamics · (1997 - 2000)

University of Leeds

MSc, Computational Fluid Dynamics · (1996 - 1997)

Saint Louis University

BSc, Aerospace Engineering · (1993 - 1996)

Universitat Politècnica de València (UPV)

BSc, Electronics & Telecommunications · (1989 - 1993)