Joseph Dalton PhD

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1. Executive Summary

*Former Intel & Novartis. Bridging **Technology**, **Business** and **People** to Innovate Healthcare. I help organizations at the intersection of healthcare, pharmaceuticals, IT and innovation turn complex ideas into real business impact for enhanced patient wellbeing and greater organizational efficiency*

I hold over 20 years' experience leading cross functional and global teams spanning Information Technology, Healthcare Innovation, Pharmaceutical Development, Semiconductor Manufacturing, Entrepreneurial and Academic domains. This has included many senior leadership roles with companies such as Intel Corporation, Novartis, the Government of Ireland and Georgia Technical Research Institute. I also founded and funded a Digital Health Start Up and in 2013 authored Irelands *"National eHealth Strategy"*. I have been a lecturer in Innovation at the South East Technical University (SETU) and am also a certified R&D Tax Credit Auditor for the Irish Governments Revenue Commissioners
I am a qualified Jungian psychologist and human counsellor.

2. Key Achievements

- PhD In Electrical Eng/Physics
- Intel *Global Innovator of the Year* 2006.
- Certified people leader, human counsellor and psychotherapist
- Founded and Funded Digital Health Start Up
- Authored Ireland's *"National eHealth Strategy"*.
- Won Novartis "*Global IT Technology Challenge*" .global award
- Delivered multiple AI and IOT-based medical device platforms
- Extensive lifelong learning development certifications including Technology, Project management and leadership.

3. Professional Experience *- more detailed info at http://www.joedalton.info*

1. Corporate Roles

Novartis Pharmaceuticals
Nov 2014-Oct 2023
Director - Global Head Digital and IT Solutions - Global Drug Development
Global Lead for Data, Digital and IT (DDIT) Team with many responsibilities including:
- Product Development - Overall Programme management of the design, development and implementation of data and digital solutions to support Novartis clinical trials and commercial drug assets (patient facing).
- Large focus on App-based IOT systems, Enterprise IT systems, Software as a Medical Device (SaMD), AI-based Data Analytics.
- Team of 15 people in global locations. All specialist experts in Digital health/pharma innovation and SaMD development. Developed commercial (patient facing) solutions for Neuroscience, Respiratory and Opthamology domains.
- Launched Novartis Digital Health Platform which is Novartis' first dedicated platform to enable Digital Solutions.
- Launched several Entrepreneurial programs. Won "IT Technology Challenge" competition in 2019 for my work in *"VR and AI Technology applications to Mental Health treatment"*. Developed prototype with AWS.

Intel Ireland Limited
Feb 1996- Nov 2009
Various roles held including Digital Health Innovation and IT Program and Project Management
- IT Manager for manufacturing operations and Yield analysis operations.
- Responsible for Quality and Regulatory within the product development domain.
- Co-Founder of Intel's *IT Innovation Centre* Network - Strategy owner and Programme manager for Intel Ireland's IT Innovation portfolio across a Global network. This included designing digital health solutions with innovation partnerships in the areas of Telehealthcare, pharmaceutical anti-counterfeiting and Ambient Assistive Living. I was awarded ***Intel's "Global Innovator of the Year"*** for this work.
- Programme and Overall Project Manager for the set-up Intel's external IT consulting business and solutions centres in 3 European countries. Full PMO and P&L responsibility. This was a $50 million project.
- Project Managed the FP7 CAPSIL (***C**ommon **A**wareness **P**rogram to **S**upport **I**ndependent **L**iving*) project on behalf of Intel. Working with 7 different partners in 5 different countries.
- Manufacturing Yield and Quality Engineer (3 years) on Intel's chip fabrication plant lines responsible for Quality indicator deliverables, overall Quality programs and root cause and corrective actions implementations.

2. Consulting Roles

Various Roles including:

- *Zoetis Animal Health - Director - Diagnostics Device Asset Strategy Management.* Responsible for development of asset strategy for Zoetis range of desktop, cloud and AI powered veterinary medicine diagnostic devices. Bringing multiple stakeholders together to develop corporate asset strategy

- *Government of Ireland - Author of Irelands "National eHealth Strategy".* I was the sole author of Ireland's National Digital Health Strategy entitled *"An eHealth Strategy for Ireland"*.. A statutory body called *"eHealth Ireland"* was set up to implement the strategy and is working its way through the various recommendations which includes items such as ePrescribing, Telehealthcare and Electronic Health records.

- *Nimbus Research Centre, Institute of Technology Cork, Ireland - Research Centre Operations Manager* 2011 and 2012*.* (IOT/sensors/wearables research centre which involved overall group leadership, research partnerships, strategy setting, people and P&L management. Responsible for several Innovation partnership programmes.

- *Lecturer in Innovation – South East Technological University Carlow, Ireland.* From Sept 2013-Present. I am an adjunct (part time) lecturer at Institute of Technology Carlow on their Masters in Information Technology course. I deliver the "Innovation Management" module

- *R&D Tax Credit Consultant 2012-Presnet* - I have been acting on as-an authorized officer of the Irish Governments Revenue Commissioners for technical Research and Development tax credit assessment and advisory services. I have also worked extensively with private clients in a similar capacity. Areas include Artificial Intelligence, digital health, pharma development and IT management

- *Georgia Tech Research Institute Ireland (GTRI) Start Up Program Manager.* Defined overall organizational and Research Operations strategy, funding targets, people hiring, facilities management etc. Full P&L responsibility.

3. Entrepreneurial/Start Up

Digital Health Business Start Up

Founder and CEO "Intellehealth"

- 2012-12018. This was a start-up Product Development company (SaMD) concerned with developing Telehealthcare solutions for the remote monitoring and management of chronic diseases (mainly gestational Diabetes) using Philips as a technology partner. Intellehealth developed the full-service stack sitting on various technology including wearables as the data capture elements.

4. Professional Qualifications

- PhD, MSc and bachelor's degrees from Cardiff University
- National Diploma in Electronic Engineering, Waterford Institute of Technology
- National certificate in human counselling, NUI Maynooth
- National Diploma in Entrepreneurial Development, Waterford Institute of Technology
- Diploma in Jungian Psychotherapy – Jung Centre of Ireland

5. Ongoing Professional Development

- I hold various qualifications in Project management including Waterfall and Agile and Lean methodologies.
- **Various Technical Coursera including** – *Waterfall and Agile Project Management*, *AI For everyone* (Andrew Ng) - Stanford University 2019, *Machine Learning Intermediate* (Andrew Ng) - Stanford University 2020. *DevOps Methodology* - UC Davis 2021, *Self Determination Theory* – University of Rochester 2021, *Advanced Cybersecurity* – Boston University 2023. *Kubernetes Architecture* - Udemy 2025, *AWS Architecture* – AWS 2021.*Agile Methodology Advanced* – LinkedIn Learning 2022, *PMP certification* 2015.