Jacob Suñol

Senior digital health and AI leader with 20+ years of experience building and scaling technology-driven healthcare products across pharmaceuticals, medical devices, and AI-enabled platforms. Proven track record of designing, launching, and operating complex digital systems used at global scale, with a focus on improving health outcomes through responsible and human-centered technology.

Has led large-scale digital transformations within global organizations including Abbott and Roche, scaling teams, platforms, and operating models from early innovation to enterprise adoption. Experience spans multiple therapeutic areas, including diabetes, oncology, neuroscience, and rare diseases, with consistent delivery of AI-enabled products that balance regulatory rigor, ethical considerations, and real-world usability.

Brings a multidisciplinary background in computer science, anthropology, and human evolution, enabling a systems-level approach to AI and digital health that integrates technology, behavior, and organizational design. Particularly effective in environments where impact depends not only on advanced algorithms, but on adoption, trust, and long-term scalability.

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Experience

2021-NOW
5 years

ABBOTT, CALIFORNIA, UNITED STATES (MED DEVICES)

Sr. Director Product Development

Global digital R&D and AI platforms for diabetes care; co-leading digital strategy with Marketing. Ownership of digital R&D budget and portfolio spanning cloud platforms, AI/ML, mobile and desktop applications, SDKs, and agile delivery across 50+ countries, supporting FreeStyle Libre at global scale.

Key Achievements

- **GenAI Medical Device at Scale (2025):** Led the launch of Abbott's first GenAI-enabled medical device application, impacting 1M+ users globally. Designed and delivered a regulated, production-grade GenAI system leveraging OpenAI models alongside additional LLMs on AWS Bedrock, including an LLM-based judge to enforce safety, quality, and regulatory guardrails.
- **AI & Responsible Innovation:** Co-authored Abbott's AI principles and embedded responsible AI practices across digital health products, ensuring safety, transparency, regulatory compliance, and scalable governance for AI-enabled systems.
- **Platform & Architecture Transformation:** Consolidated ~200 applications into a single modular digital platform (React Native, Go Mobile), improving scalability, maintainability, and user experience.
- **Cloud & Infrastructure Modernization:** Migrated 14 global regions to a Kubernetes-based architecture, enabling resilient, multi-region deployments across the digital portfolio.
- **Strategic Workforce Transformation:** Restructured the organization from a 70% contractor model to a predominantly FTE-led team, improving accountability, knowledge retention, and long-term execution capacity.
- **Global Scale & Quality Enablement:** Established global testing capabilities and expanded delivery hubs across Europe and APAC to support worldwide deployment.

2024-NOW
2 year

MEDTECH EUROPE, BRUSSELS, BELGIUM (GOV)

Chair at AI Working Group

Chairing the AI Working Group for MedTech Europe, shaping Europe-wide positions on the responsible, safe, and scalable adoption of AI in medical technology, with direct engagement across industry, regulators, and policymakers.

Key Achievements
- **Regulatory & Policy Leadership:** Leading the development of AI policy positions and regulatory frameworks that balance patient safety, clinical efficacy, and innovation, with a strong focus on real-world deployability of AI-enabled medical technologies.
- **Influence on the EU AI Act:** Actively contributing to the shaping of the EU AI Act from a medical technology perspective, advocating for sector-specific approaches that reflect the unique regulatory, clinical, and ethical requirements of healthcare.
- **Ecosystem, Policy & Research Enablement:** Aligning industry, regulators, and healthcare stakeholders while supporting AI-driven research and strengthening Europe's global competitiveness in medical technology.

2021-NOW   **LIGHTHOUSING APS, COPENHAGEN, DENMARK (DIGITAL HEALTH)**

5 years   Non-executive director

Acted as non-executive director and fractional CTO across a completed portfolio of **digital health, social impact, and technology ventures**, providing strategic and hands-on leadership in platform architecture, product launches, and technology transformation. Engagements focused on mission-driven initiatives at the intersection of healthcare, inclusion, and sustainability.

Selected Engagements
- Fractional CTO for digital health and aging-care platforms, including NHS-facing diabetes programs.
- Technology leadership for social impact and consumer platforms, enabling inclusion and scalable marketplaces.
- Strategic advisor to healthcare and innovation organizations on data-driven, user-centered digital solutions.

2019-2021   **IPSEN, PARIS, FRANCE (BIOTECH)**

2 year   Chief Digital Officer

Led Ipsen Group's corporate digital and data strategy, driving enterprise-wide digital transformation across R&D, medical, and commercial functions. Established global operating models, governance, and platforms to accelerate innovation, improve patient outcomes, and enable data-driven decision-making across the organization.

Key Achievements
- **Enterprise Digital & Data Strategy:** Defined and executed Ipsen's group-wide digital and data roadmap, aligning technology initiatives with corporate strategy and value creation priorities.
- **Global Digital Organization:** Built and scaled dedicated digital and analytics teams across Paris, London, and Cambridge, establishing Ipsen's long-term digital innovation capability and operating model.
- **First SaMD Product:** Led the development and launch of Ipsen's first Software as a Medical Device (SaMD) application for Dysport, automating dosage and reconstitution calculations within a regulated medical context.
- **AI & Advanced Analytics:** Implemented AI-driven real-world data analysis capabilities and identified a digital biomarker in Neuroendocrine Tumors (NET), supporting advances in personalized medicine and clinical insight generation.
- **Patient-Centric Digital Solutions:** Launched a patient support application for Renal Cell Carcinoma (RCC), improving patient engagement, adherence, and care coordination.
- **Digital Platforms for Innovation & Trials:** Delivered digital platforms to support external innovation scouting (MoAs, assets) and developed e-recruitment and patient engagement solutions to streamline clinical trial enrollment and experience.

2017-2019   **ROCHE DIABETES CARE, BARCELONA, SPAIN (MEDICAL DEVICE)**

3 years   Digital CTO / VP, Global Digital Innovation & Ecosystems

Led global digital solutions and innovation for Roche Diabetes Care, overseeing the design, development, and scaling of consumer, professional, and data platforms. Provided strategic and technical leadership across digital

products, architecture, data infrastructure, partnerships, and new business models, working closely with R&D, Marketing, and regional teams worldwide.

Key Achievements

- **Global Digital Organization & Operating Model:** Built and led cross-functional digital teams across Barcelona, Indianapolis, and Mannheim, restructuring operations to support scalable, globally deployable digital solutions.
- **Digital Products & AI Innovation:** Launched multiple regulated and consumer-facing digital products, including a Class IIb mobile application for Accu-Chek® Insight Pump control, a meter-less blood glucose monitoring solution, and goCarb, an AI-driven dietary support tool for diabetes management.
- **Digital Platform & Data Infrastructure:** Designed and launched the RDC Core & Data platform on AWS, implementing FHIR-compliant data models and scalable microservice architectures to enable long-term digital innovation.
- **Ecosystems, Acquisitions & Partnerships:** Spearheaded the acquisition and integration of mySugr, creating a personalized digital solution for people with Type 1 diabetes, and established partnerships with insurers to pilot digital health solutions globally.
- **Agile Transformation & Quality Systems:** Introduced a regulated Agile-QMS operating model, fostering iterative development while achieving ISO certification and improving speed, quality, and compliance.
- **Innovation Leadership & External Engagement:** Directed global digital innovation initiatives, strengthening engagement with startups and external partners while mentoring teams and standardizing innovation processes.
- **Recognition:** Recipient of Roche's "Key Contributor" award (2017) for leading impactful, reusable digital health solutions with a strong focus on scalability and global usability.

2011-2017
6 years

MEDTEP INC., SAN FRANCISCO, USA & BARCELONA, SPAIN (DIGITAL HEALTH)

Co-Founder | CEO | VP Product & Engineering | Executive Chairman

Founded and led Medtep, a digital health platform designed to drive measurable behavioral change by translating clinical protocols into personalized, actionable care plans. Built the company from inception through international scale, combining product leadership, clinical validation, and regulated platform delivery to improve patient engagement and outcomes.

Key Responsibilities

- **Founder-Led Product & Platform Ownership:** Defined the long-term product vision and architecture across patient, provider, and payer use cases, overseeing end-to-end product development, platform design, and technology execution.
- **Clinical Evidence & Outcomes:** Led multiple clinical studies validating platform effectiveness, achieving >94% treatment adherence after six months across three studies, demonstrating sustained behavioral change and clinical impact.
- **Regulatory-Grade Digital Health Platform:** Ensured compliance with HIPAA, COPPA, and Privacy Shield, enabling secure, privacy-preserving operation across multiple geographies and healthcare systems.
- **Funding & Global Expansion:** Raised $2.2M in funding and scaled operations internationally, opening offices in San Francisco (HQ), Barcelona, and Mexico City, and launching the platform across the US, Mexico, Europe, and Malaysia.
- **Published Research & Medical Validation:** Co-authored and published studies demonstrating real-world effectiveness, including:
  - *Medtep DBT:* A digital Dialectical Behavior Therapy platform for Borderline Personality Disorder
  - *Hemophilia Treatment Adherence:* One-year observational study on prophylactic treatment adherence
- **Ecosystem Recognition:** Selected for Startup Health NYC's Transformer accelerator and received multiple industry awards for innovation in digital therapeutics and care management.

Education

2003-2008	**UNIVERSITAT POLITÈCNICA DE CATALUNYA, SPAIN**
	Master Degree in Computer Science
2020-EXP 2026	**OPEN UNIVERSITY CATALONIA AND URV, SPAIN**
	Degree in Anthropology and human evolution
2013	**SINGULARITY UNIVERSITY, NASA AMES, USA**
	FutureMed Executive program
2009-2010	**HEC PARIS, FRANCE**
	Master in Digital Business Management
	Ranked World's leading business school by the Financial Times 2011-2012
2008	**ECOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE, SWITZERLAND**
	Exchange Student & Master Thesis (Graded 6 out of 6 with honors)

Languages

Spanish: mother tongue

Catalan: mother tongue

French: Proficiency

English: Proficiency

Technical Skills

Selected technologies and platforms used hands-on across product development, architecture, and AI experimentation. Feel free to check my Github (https://github.com/jasuca) for active contributions.

AI & Applied Machine Learning: GenAI (OpenAI, Gemini, Mistral), local LLMs (Ollama), prompt engineering, evaluation patterns, rapid prototyping with LangChain.

Cloud & Platform Architecture: AWS (certified), Kubernetes, cloud-native and microservice architectures, secure multi-region deployments.

Product Engineering & Systems Design: End-to-end product development, API-first platforms, SDKs, scalable web and mobile architectures.

Programming & Core Technologies: Python, JavaScript / TypeScript; strong foundations in software architecture and systems thinking.

Web & Mobile Platforms: React, React Native, Flutter; cross-platform and modular application design.

Data, Interoperability & Standards: FHIR-based models, real-world data pipelines, analytics platforms, healthcare interoperability.

Security, Privacy & Regulated Systems: HIPAA, GDPR, SaMD-grade systems, privacy- and security-by-design architectures.

Engineering Practices: Agile and regulated SDLCs, CI/CD, quality systems, test automation and global release management.

More information on my LinkedIn profile http://linkedin.com/in/jacobsunol