Nicholas **Nadeau, Ph.D., P.Eng.**

Technology Executive — AI, Data, Robotics & Hard Tech

Montréal, Canada

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Executive Summary

I've always been drawn to solving complex problems where humans and intelligent systems intersect—designing surgical robots, building AI agents, or mentoring startups. My career spans robotics, AI, and hard tech, powered by curiosity and a commitment to real-world human–machine collaboration.

Key Achievements

Hypergrowth	Raised $100M+ (incl. OpenAI backing) for commercializing AI/robotics; P&L owner in multiple leadership roles.
Major Partnerships	Secured multi-million deals; collaborated with NASA/Astrobotic to place 3D-printed parts on the ISS/Moon.
Cross-Functional Leadership	Led global hardware/software/AI teams from R&D through product release, emphasizing real-world solutions.
High-Impact Mentorship	Mentored startups that collectively raised tens of millions, scaling tech and teams globally.
Empowered Team Culture	Championed flat hierarchies with ownership, building high-performance, hands-on, "can-do" cultures.

Professional Experience

Transcension AI — *Montréal, Canada*

Founder — *2024 –*

Provide elite AI & emerging tech consulting—strategic advisory, due diligence, and innovation insights for leaders.

AI Salon - Montréal Chapter — *Montréal, Canada*

Co-founder — *2024 –*

Dedicated to connecting Québec's AI startups with global investor networks to secure funding and drive growth.

SmartOne.ai (Acquired Nadeau Innovations) — *Montréal, Canada*

Chief Technology Officer — *2023 – 2024*

Drove AI, data, and software strategy, creating new tech revenue; built and unified cross-functional teams, achieving significant growth post-acquisition.

Nadeau Innovations — *Montréal, Canada*

Founder — *2023 – 2024*

Offered management consulting, AI/ML strategy, and fractional CTO services—spurring new product lines for clients.

1X — *Montréal, Canada & Oslo, Norway*

Chief Technology Officer — *2021 – 2023*

Raised $100M+ from tier-1 investors (incl. OpenAI) to commercialize humanoid robotics for real-world applications.

AON3D (YC W17) — *Montréal, Canada*

Engineering Manager — *2018 – 2021*

Drove $11.5M Series A leading to the deployment of 3D-printed parts to the ISS and Moon.

Rogue Research Inc. — *Montréal, Canada*

R&D Engineer — *2011 – 2018*

Developed surgical robotics and neuro-imaging/stimulation platforms; transitioned from hands-on IC to systems-level leadership.

Education

École de technologie supérieure (ÉTS) — *Montréal, Canada*

Ph.D. in AI & Collaborative Robotics — *2014 – 2019*

Researched safer human–robot interaction (freehand ultrasound, reinforcement learning); released *Pybotics* for open-source robotics kinematics.

McGill University — *Montréal, Canada*

B.Eng. in Mechanical & Biomedical Engineering — *2010 – 2014*

Mentorship & Boards

2020 – **Advisor & Investor**, Acrylic Robotics, BRIDGR, XMachina, XPR Labs

2020 – **Mentor (AI/Tech Scale)**, Creative Destruction Lab, Next AI, Techstars, FounderFuel

2020 – **Standards Contributor**, ISO/IEC JTC 1/SC 42 - Artificial Intelligence, ISO/TC 299 - Robotics, ASTM Committee F42 on Additive Manufacturing Technologies

Core Competencies

Leadership Style Charismatic, Flat Hierarchy, Fosters Ownership, RACI-Based Accountability, High-Performance Culture

Deep Tech Expertise AI, Robotics, HW/SW Integration, Data Engineering

Business Impact P&L Management, Revenue Growth, Corporate Venture Building, Technology-Driven ROI

Product & Ops Cross-Functional Leadership, Agile Scaling, Full Lifecycle Management, GTM Strategy

Languages Python, C++, Java, JavaScript | English, French

Select Publications

Pybotics: Python Toolbox for Robotics, Journal of Open Source Software (2019)

Impedance Control Self-Calibration of a Collaborative Robot Using Kinematic Coupling, MDPI Robotics (2019)

Improved Test Methods for Polymer AM Inter-Layer Weld Strength and Filament Mechanical Properties, ASTM International Conference on Additive Manufacturing (2019)

Evolutionary Motion Control Optimization in Physical Human-Robot Interaction, IEEE/RSJ IROS (2018)

Characterization of a Robotic Micro-Surgical System for Small-Animal Neurosurgery, Society for Neuroscience (2017)