

ABDELRAHMANE FERCHICHI

Innovation & Intelligent Systems Lead (AIoT, SaaS, Product Development)

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SELECTED ACHIEVEMENTS

- 2 patents filed in AIoT systems
- \$2M+ innovation grants secured
- \$10-20M annual revenue from IoT-enabled products
- Led 10+ engineers (HW, SW, Cloud)
- Managed €14M R&D investment

TECHNICAL SKILLS

- Python MicroPython React Js
Edge AI IoT Architecture
Prototyping
Hardware-Software Integration

CLOUD • DEVOPS • TOOLS

- Azure DevOps • Docker • Git • CI/CD • Jira • Scrum • SAFe • Quality Processes
• Agile & Lean.

SOFT SKILLS

- Leadership & Team Coaching
- Innovation & Strategic Thinking
- Cross-functional Collaboration
- Technical Writing & Communication

CORE COMPETENCIES

- Innovation • Collaboration • Proactivity
• Communication • Strategic Thinking
• Adaptability.

LANGUAGES

- French (Native) • English (Fluent) • Arabic (Intermediate)

EDUCATION

- 2021** — Master's, Digital Transformation - Smart and Sustainable Cities, Université Laval (QC).
2016 — Engineer's Degree (R&D 3-year apprenticeship at CEA), CESI, Nice.
2013 — Preparatory Program, Lycée Monge, Chambéry, France.
2011 — Technical Baccalaureate, Industrial/Mechanical Engineering, Lycée Monge.

CERTIFICATIONS

- Scrum Master • JS Web Dev • IoT • Big Data • Data Science • Azure Cloud

PROFESSIONAL SUMMARY

Results-driven engineering leader with **12+ years of experience** in **AIoT, SaaS, and Cloud** product innovation. I lead cross-functional teams to design, build, and deploy scalable solutions for smart-facility and healthcare markets. Proven track record in securing **\$2M+ innovation funding**, managing **\$5M R&D programs**, and delivering products generating **\$10-20M annual revenue**. Passionate about transforming cutting-edge technologies into real-world impact, with expertise in **AIoT, Edge AI, Cloud (Azure/AWS), Product Roadmap, and R&D Strategy**.

PROFESSIONAL EXPERIENCE

Co-Founder & Head of R&D Domely Technologies

Montreal, QC • 2020-Present

- Lead and scale **R&D programs totaling \$5M**, securing **\$2M+ public innovation grants** and **\$1M private funding**.
- Design, build, and deploy **AIoT solutions** integrating hardware, embedded systems, **Edge AI**, and **Cloud architectures**.
- Manage product roadmaps, **DevOps pipelines (CI/CD, Agile delivery, Scrum)**, and cross-functional leadership.
- File **2 patents** in AIoT systems; products generating **\$0.5M annual profit** and adopted in multiple commercial deployments.
- Drive innovation in **Edge computing**, IoT data pipelines, and Cloud-native architectures to deliver robust, scalable AIoT products for commercial deployment.

Programmer Analyst Desjardins

Lévis, QC • 2020-2021

- Optimize enterprise Java applications for scalability and reliability.
- Support **CI/CD** and **Agile** sprints to deliver robust backend solutions.

Product Manager & Technical Architect Umano Medical

Lévis, QC • 2018-2020

- Led the design, development, and deployment of **IoT-enabled hospital beds with Edge AI analytics**, generating **\$10-20M annual revenue** across **60+ hospitals** in Canada and Europe.
- Drive product strategy, market positioning, and commercialization.
- Deliver full-stack solutions and establish **Agile R&D frameworks (SAFe, Scrum)**.

R&D Engineer Ministry of National Education

Grenoble, France • 2018

- Contributed to the **national dev team** creating digital platforms for **2.8M students** and **800K teachers**.
- Developed research project management tools using **Angular.js** and **Java Spring**.
- Authored functional specs, facilitated Agile ceremonies, and conducted UAT.

R&D Engineer (Startup Project) Mobile Healthcare App

Grenoble, France • 2017

- Lead development of a connected healthcare MVP from feasibility to prototype.

R&D Engineer CEA - French Alternative Energies & Atomic Energy Commission

Grenoble, France • 2013-2016

- Led R&D on next-generation **photovoltaic cells** and precision laser-cutting processes.
- Developed internal tools improving cost forecasting and research efficiency.
- Managed **€14M in R&D investment**.