

ABDELRAHMANE FERCHICHI

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

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SELECTED ACHIEVEMENTS

- **2 patents filed in AIoT systems**
- **\$3M+ innovation grants secured**
- **\$10-20M annual revenue from IoT-enabled products**
- **Led R&D resources (HW, SW, Cloud)**
- **Managed €14M R&D investment**

TECHNICAL SKILLS

- Python MicroPython React Js
Edge AI AIoT 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.
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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

Hands-on R&D and product leader with **12+ years** in **AIoT, SaaS, and Cloud systems**.

From **CEA** (French Alternative Energies and Atomic Energy Commission) to startup innovation, I've designed and delivered connected products that bridge hardware, software, and data.

Proven track record leading cross-functional teams and scaling **IoT** architectures into market-ready solutions.

PROFESSIONAL EXPERIENCE

Co-Founder - R&D & Operations Lead | AIoT, SaaS **Domely Technologies**

Montréal, QC • 2019 – Present

- Led **R&D** and **operations** for **AIoT**, integrating **SaaS components** from concept to commercialization.
- Managed **\$5M in R&D programs** and secured over **\$3M in public and private funding**.
- Developed **IoT solutions** combining **sensors, embedded systems, and cloud architectures**, with **2 patents filed**.
- Optimized **production, logistics**, and **customer feedback processes**, generating over **\$500K in annual profit**.

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 IoT connectivity and SaaS integration for smart hospital beds, deployed in **60+ hospitals** and generating **\$10-20M in annual revenue**.
- 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 - Photovoltaic Systems & Solar Technologies (**CEA-INES**)

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**.