

ABDELRAHMANE FERCHICHI

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

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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

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

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 • [domely.com](#)

- Led AIoT and SaaS product development from concept to commercialization.
- Managed **\$5M** in R&D programs and secured **\$3M+** funding.
- Built IoT systems integrating sensors, embedded software, and cloud architectures; filed **2** patents.
- Improved production, logistics, and customer feedback loops, generating **\$500K+** annual profit.

Programmer Analyst | [Desjardins](#)

Lévis, QC | **2020-2021**

- Enhanced Java enterprise applications for scalability and reliability.
- Supported CI/CD automation and Agile sprint delivery.

Product Manager & Technical Architect | [Umano Medical](#)

Lévis, QC | **2018-2020**

- Developed IoT connectivity and SaaS features for smart hospital beds used in **60+** hospitals, generating **\$10-20M** revenue/year.
- Drove product strategy, cloud integration, and Agile transformation (SAFe, Scrum).

R&D Engineer | [Ministry of National Education](#)

Grenoble, France | **2018**

- Built digital platforms serving **2.8M** students and **800K** teachers nationwide.
- Full-stack development using Angular.js and Java Spring within Agile teams.

R&D Engineer - Photovoltaic Systems & Solar Technologies | [CEA INES \(National Institute of Solar Energy\)](#)

Grenoble, France | **2013-2016**

- Conducted R&D on CIGS and silicon photovoltaic technologies.
- Managed **€14M** R&D investments and developed tools improving cost tracking and efficiency.
- Collaborated with cross-functional teams on renewable energy innovations and process optimization.