

ABDELRAHMANE FERCHICHI



Innovation Engineering & Intelligent Systems | AI, IoT, R&D, Product

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TECHNICAL SKILLS

- Python
- React JS
- AI/ML
- Edge AI
- IoT Architecture
- Prototyping
- Data Analysis
- Hardware-Software Integration

CLOUD • DEVOPS • TOOLS

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

PRODUCT MANAGEMENT

- Product Strategy & Vision Setting
- User Research & Data-Driven Decisions
- Stakeholder Alignment & OKR Execution
- Agile Leadership (Scrum, SAFe)

LEADERSHIP & COLLABORATION

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

CORE STRENGTHS

Proactivity • Adaptability • Problem Solving

EDUCATION

2021 — Master's, Digital Transformation & Innovation,
Université Laval (QC).

2016 — Engineer's Degree (R&D 3-year apprenticeship at CEA), CESI, Nice, France .

CERTIFICATIONS

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

LANGUAGES

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

HOBBIES

Coding • Photography • Hiking • Ski • DIY Projects

PROFESSIONAL SUMMARY

Hands-on R&D and product leader with **12+ years** in AI, IoT, 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**, driving product strategy, and scaling IoT architectures into market-ready solutions.

PROFESSIONAL EXPERIENCE

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

AI-powered IoT solutions for roof protection and home safety | Montréal, QC • **2019 – Present** • [domely.io](#)

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

Programmer Analyst | Desjardins

Lévis, QC • **2020-2021**

- Contributed to improving core banking features used by **millions** of clients, prioritizing reliability and seamless digital experiences.
- Developed and integrated RESTful APIs, wrote technical documentation and functional specifications.
- Supported **CI/CD (Continuous Integration and Deployment)** and optimized Java enterprise applications for performance and reliability.

Product Manager & Technical Architect | Umano Medical

Lévis, QC • **2018-2020**

- **Led IoT connectivity and SaaS integration** for smart hospital beds, deployed in several hospitals and generating **\$10-20M** in annual revenue.
- Drove product strategy, market positioning, go-to-market execution, and set measurable **OKRs** for cross-team alignment.
- Delivered **full-stack solutions** and established Agile R&D frameworks (SAFe, Scrum) with emphasis on iterative design and stakeholder feedback.

R&D Engineer | French Ministry of National Education

Grenoble, France • **2018**

- Contributed to the national development team creating digital platforms for **2.8M** students and **800K** teachers.
- Developed research **project management** tools using Angular.js and Java Spring with emphasis on intuitive interfaces.
- Authored functional specifications, facilitated Agile ceremonies, implemented CI/CD 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 (National Institute of Solar Energy)

Grenoble, France • **2013-2016**

- **Involved in R&D** on next-generation photovoltaic cells and precision laser-cutting processes with multidisciplinary teams.
- Developed internal tools improving cost forecasting, project tracking and research efficiency.
- Managed **€14M** in R&D investments, aligned with strategic planning and **OKRs**, and commissioned **€500K** in advanced lab equipment.