

Ricardo Ferreira

Product Manager | Ex Lead Tech Project Manager

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WORK EXPERIENCE

Lead Engineering & Product

Chipiron ↗

Innovative MedTech startup developing next-generation MRI technology using quantum electronics and room-temperature magnets.

09/2023 – 08/2025

Paris

- Worked with C-level and researchers to shape the early product discovery and define clear, actionable requirements for Chipiron's first in-vivo MRI system, ensuring shared alignment on roadmap and milestones.
- Scaled the engineering team from a one-engineer setup into a multidisciplinary, productdriven team (RF, Mechanics, Real-Time Acquisition, Electronics).
- Collaborated on full-system co-design across electronics, mechanics, conductive cryogenics, and MRI subsystems.
- Helped define baseline acceptance criteria with the wider research team, ensuring shared understanding, feasibility alignment, and smooth transition from experimental prototypes to product-ready
- Drove technology benchmarking and conducted deep technical investigations to refine MRI strategy, assess quantum-sensor performance envelopes, and guide long-term development direction.

Hardware Engineer → Tech Product Manager

Dreem ↗

MedTech company building advanced sleep technologies at the intersection of neuroscience, wearable hardware, and data-driven algorithms.

02/2015 – 09/2023

Paris

- Transitioned from hardware engineering to a product-focused role, contributing to Dreem's evolution from a device company into a digital sleep clinic.
- Co-defined EVT-stage requirements for a new portable sleep-apnea diagnostic (PAT) system, working with clinical teams and C-level to align technical development with business and regulatory strategy.
- Actively participated in sprint design and product discovery sessions, shaping hardware–software features used across all Dreem products.
- Developed (mechanics, electronics, software and metrics) and deployed factory-wide testing and validation systems used across all Dreem product generations, testing thousands of units to ensure reliability and regulatory compliance.

TRAINING & EARLY ACHIEVEMENTS

Project Management & AI BootCamp, Maria Schools ↗

2026

The 3 Managing Dimentions Limpidea ↗ and Public-speaking and persuasion, AuraEloquence ↗

2026

Data & Test Engineer Intern – Critical Software Technologies ↗, UK

2014

Test Engineer Intern – Philips Research Eindhoven ↗, Netherlands

2014

Earned several national entrepreneurship awards for embedded and energy-efficiency projects

2012-2013

EDUCATION

MSc Mechatronics Engineering

2014

Universidade do Minho

Guimaraes, Portugal

Double B.Sc.Engineering (Biomedical & Electrical)

2012

Instituto Superior de Engenharia de Coimbra

Coimbra, Portugal

TECHNICAL SKILLS

Technical Environment | Django, Docker, APIs (HTTP/REST), Railway, CI/CD, Application Deployment

Languages | Python, C, C++, C#, Assembly, MATLAB, Octave

Data & Analytics | SQL, Chart.io, KPIs, Dashboards, A/B Testing

Architecture Concepts | Asynchronous Processing, Message Queues (RabbitMQ, Celery)

Mechanical & Industrial Design | Mechanical Design, 3D CAD, DFM, Prototyping, Industrialization

Real Time & Embedded Systems | Embedded Linux, RTOS, MCU & MPU Programming, Embedded Firmware, PCB Design

AI & GenAI | Prompt Engineering, Lovable, Antigravity, Gamma AI, AI Agents

PRODUCT & MANAGEMENT SKILLS

Delivery & Execution | Agile Delivery (Scrum, Kanban), Roadmapping, Backlog Management, Sprint Planning

Stakeholder & Leadership | Clinical & Field Validation, External Partner Management, Data-Driven Decision Making

Product Strategy | Discovery, User Research, Features & Requirements Definition, Prioritization, B2B Product-Led & B2C Sales-Driven Product Contexts

LANGUAGES & INTERESTS

English (Fluent) | French (Fluent) | Portuguese (Fluent)

Sport Enthusiast ride more than 1000 Km/year but mainly drawn by the post-ride

Lifelong enthusiast whose passions come and go, always exploring emerging trends

Human Behavior & Neurodiversity



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The Innovators, Hiring Teams, and Future-Builders
Paris , France

January 7, 2026

Job Application for the teams building what's next

Dear Mr./Ms.

About Me

I am a product-driven engineer who thrives at the intersection of hardware, software, and the complex systems that connect them.

But more than that, I am a lifelong learner driven by the need to understand systems from the inside out.

My career began with the raw materials of engineering, embedded systems, actively participating in the whole stages of the development that allowed scaling a Dreem² into thousands of units.

Later, at Chipiron, I discovered the challenge of translating deep-tech research into a manufacturable MRI platform while leading and collaborating with a very multidisciplinary team, the only way possible in such a complex system.

Being a father has fundamentally reshaped how I think particularly related to human behavior. I believe that the strongest products come from teams that are aligned not just on a roadmap, but on a shared sense of responsibility and purpose.

Why You?

I am not looking for just any technical role. I am looking for the teams that are currently in the "messy middle" of innovation. You are likely working at the intersection of hard science and real-world application—perhaps in MedTech, Deep Tech, or complex Robotics.

Why Me?

Beyond the code, the mechanical iterations, and the PCB layouts, I'm someone who pays close attention to people. I've always been deeply curious about how humans think, feel, and experience the world, especially when those experiences don't fit into neat, "standard" boxes.

My interest in human behavior and neurodiversity comes from empathy, not theory. I genuinely want to understand how different minds work, because that understanding shapes me, daily. It teaches me to listen first, to slow down when needed, and to build solutions that respect real human complexity.

I don't see myself as a generic "problem solver" or "team player." What I bring to a team is the ability to connect dots between people, to notice when something doesn't feel right, to translate between different perspectives, and to help groups move forward without leaving anyone behind. For me, good engineering starts with care, and the best products come from teams that feel understood.

Sincerely,
Ricardo Ferreira