Maxime **Demoly**

PRODUCT BUILDER · ENGINEER

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Experience

HeyJo   *Paris, France*
TECHNICAL LEAD & CO-FOUNDER   *Jan. 2025 - present*

- Co-founded HeyJo, an AI-powered knowledge platform for technical teams
- Architected and built an advanced agentic RAG pipeline delivering source-grounded answers
- Developed the full-stack application from prototype to production
- Designed the product UI/UX end-to-end, ensuring an intuitive chat and source-management experience

Webdyn   *Saint-Germain-en-Laye, France*
PRODUCT MANAGER   *Oct. 2022 - Dec. 2024*

- Drove lead product UX/UI redesign focusing on reducing friction and need for support during installation
- Collaborated with cross-functional teams, including engineers, support, freelance designer and front-end developer
- Created 20+ specs and wireframes, for new product features
- Analysed the European solar markets, spearheaded grid code compliance developments to address the German PV market
- Conducted an analysis of the rooftop PV market in India and proposed a product concept targeting the residential market

Via Medica   *Montpellier, France*
PRODUCT MANAGER   *Aug. 2020 - 2022*

- Identified a market gap for online continuing medical training
- Led the development of an online learning module for allergists, worked closely with medical experts
- Certified the modules to meet the standards of Agence Nationale du DPC
- Launched the product leading to 14% market share in the first year

Advice Medica   *Montpellier, France*
CEO & CO-FOUNDER   *Sept. 2017 - present*

- Designed the UX/UI for a SaaS product, positioning it as the go-to platform for clinical case analysis among specialist doctors
- Led the execution and launch of the AdviceMedica application and website
- Specified and developed an AI feature that performs similarity matching for clinical cases
- Implemented a Marketing growth plan and a referral program, reached 4000 users by the second year
- Established a B2B business model and successfully secured major clients in the pharmaceutical industry

Studies

Engineering Degree, Aerospace Engineering   *Châtenay-Malabry, France*
ECOLE CENTRALE DE PARIS   *Sept. 2010 - Sept. 2014*

- Curriculum : Applied Mathematics, Physics, Algorithms and Programming, Economy
- Specialisation : Mechanical and Aerospace Engineering
- Classes : Fluid Dynamics, Structural Dynamics, Combustion
- Project : Design and Construction of a Fully Instrumented Modular Hybrid Rocket Engine Test Bench

Skills

AI & RAG	Agentic RAG, Hybrid Search, Prompt Engineering, LlamaIndex, LLM APIs
Full-Stack Dev	Next.js, Django REST Framework, PostgreSQL, Supabase, Tailwind, Celery, Redis, Docker, Stripe, Playwright, Git
Data Analytics	Python (pandas, NumPy, scikit-learn), SQL, Data Visualization, Statistical Analysis, A/B Testing, Dashboarding
UX / UI Design	Figma (wireframes, prototyping, design systems), User Research, Information Architecture, Responsive Design
Agentic Coding	Claude Code, Cursor, Subagents, Skills, MCP Integrations, Deterministic Verification, Hooks & Automation
Product Management	Product Strategy, User Stories, Product Specs & Wireframing, Market Analysis, Referral Programs, Regulatory Compliance
Languages	French : Native, English & Spanish : Fluent, Hindi : Basics

Awards

2019	**SFA Grant**, La complexité médicale appliquée à l'allergologie : causes et solutions	*Paris, France*
2013	**EUCASS**, Design of the feed system of a hybrid rocket engine	*Munich, Germany*
2012	**Student Airspace Challenge**, Prix Safran & ACE (Astronaute Club Européen)	*Le Bourget, France*