

MATHEUS PATRÍCIO

FOUNDING ENGINEER | AI PRODUCT & FULL-STACK ENGINEER

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PROFESSIONAL SUMMARY

AI Product Engineer and technical founder with 2+ years building and operating production SaaS products end-to-end. Built Omafit from 0-to-1 across system architecture, full-stack engineering, AI workflows, Shopify integrations and cloud infrastructure. Strongest in TypeScript, Python, React, Node.js, PostgreSQL and applied AI.

TECHNICAL SKILLS

Languages & Full-Stack: TypeScript, JavaScript, Python, SQL, React, Next.js, Node.js, Express
AI Systems: LLM Integration, AI Agents, Agentic Workflows, RAG, MCP, Computer Vision, Model Evaluation
Data, Cloud & Commerce: PostgreSQL, Supabase, AWS, Railway, Netlify, REST APIs, Shopify Admin API, Storefront API, OAuth, Billing, Webhooks, Git, GitHub

PROFESSIONAL EXPERIENCE

AI PRODUCT ENGINEER & FULL-STACK ENGINEER | FOUNDER - OMAFIT | 2024 - Present

AI SaaS for Fashion E-commerce

- Built and shipped a multi-tenant AI SaaS platform from 0-to-1, owning system architecture, frontend, backend, AI infrastructure, database design, Shopify integrations and cloud deployment; scaled adoption to 20+ stores, ~900 products and ~30K virtual try-ons/month.
- Architected and self-hosted an asynchronous virtual try-on inference pipeline on AWS EC2 GPU infrastructure, reducing inference cost by 87% (\$0.075 to \$0.0095/generation) and generation latency by 36% (25s to 16s) versus third-party API inference.
- Developed a deterministic sizing recommendation engine combining body measurements, BMI adjustments, fit preferences, garment-specific weighting, fabric elasticity, asymmetric penalties and confidence scoring, achieving a 95% recommendation accuracy rate.
- Engineered a context-aware AI shopping assistant using structured product retrieval and controlled context injection, achieving a 93% recommendation accuracy rate and contributing to an average 22% increase in merchant AOV.
- Built production Shopify infrastructure across Admin/Storefront APIs, OAuth, managed billing, webhooks and product synchronization, supporting 20+ merchants and ~900 catalog products.
- Participating merchants reported an average 46% reduction in returns and 39% increase in conversion after two months of using Omafit.

FOUNDER & E-COMMERCE MANAGER - OMAKAN | 2022 - 2025

Fashion E-commerce Store

- Founded and operated a Shopify fashion e-commerce business across product strategy, acquisition, customer experience and operations.
- Identified recurring problems around conversion, sizing, product visualization and returns that later informed Omafit's product direction.

EDUCATION & LANGUAGES

Bachelor of Science (B.S.) in Computer Science - University of the People | In Progress | Expected 2028
Production Engineering coursework - Universidade Estadual de Santa Cruz (UESC) | 2021 - 2024
Portuguese: Native | English: Professional working proficiency