Williams Mata

Senior Software & AI Product Engineer

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PROFESSIONAL SUMMARY

Senior Fullstack & AI Product Engineer who turns generative AI (image, video, voice, and chat) into fast, reliable products users pay for. Experienced in launching web and mobile apps end-to-end, keeping AI generation costs under tight control, and building clean systems that let teams swap AI models quickly without breaking the product.

EXPERIENCE

Founder & Lead Fullstack Engineer — SomosFlet (somosflet.com) **Jun 2026 – Present**

- Built and launched a live freight marketplace and payment-protection platform across web and mobile solo—using AI coding workflows to ship faster (**Next.js**, **React Native**, **Astro**, **Bun**, **Elysia**, **Drizzle**).
- Protected marketplace revenue and user trust with automatic multi-currency pricing, escrow payout rules, tax handling, and 6-digit code / photo delivery confirmation (**DDD**, double-entry ledger).

Software & AI Systems Engineer (Contract) — Confidential US Client (Remote) **Mar 2026 – Jun 2026**

- Engineered high-reliability transactional gaming prototypes designed to prevent bugs and financial logic errors before launch (**Dafny** formal verification, **DDD**, Clean Architecture).
- Built internal AI coding-agent workflows that enforced clean code standards and automated quality checks across rapid product iterations.

Lead AI Engineer — Loadify (loadify.net) **Oct 2025 – Feb 2026**

- Automated freight search and live phone negotiations using AI chat and real-time voice agents, cutting manual operational work by **90%** (**Next.js**, **OpenAI** tool-calling, **RetellAI**, **n8n**).
- Kept AI response times fast and API bills predictable by optimizing model routing and automated error recovery.

Lead Full Stack Developer — Cercademi **Mar 2024 – Oct 2025**

- Led the end-to-end build of a busy medical booking platform with reliable online payments (**MercadoPago**), scaling smoothly during peak traffic.
- Eliminated database slowdowns and cleaned up the codebase into strict **TypeScript** so the team could ship new features faster (**Next.js**, **PostgreSQL**, **Prisma**, **Tailwind**).

Full Stack Developer — Argxp **Jul 2023 – Feb 2024**

- Built 2 high-traffic web apps from scratch with reusable UI components and automated deployments, achieving **99.9% uptime** (**Next.js**, **Node.js**, **PostgreSQL**, **Docker**).

FEATURED AI & PRODUCT DEMOS

DriftZero Studio — AI Product-to-Video Ad Generator (Live Demo · GitHub) **Next.js · OpenRouter · Zustand · shadcn/ui**

- Turns 1 product photo into consistent multi-scene video ads—automatically verifying brand fidelity, self-repairing visual distortion, and capping spend before each run (**OpenRouter** Image/Video/Vision, **FinOps** guardrails, secure media proxy).
- Built an adaptive UX that switches from a 3-column desktop studio to a native-feeling mobile app with swipeable storyboards, bottom sheets, and an interactive walkthrough (`?tour=1`).

TLDR Bot & Graggle — AI Assistant & High-Traffic Mobile Mini App (Portfolio Details) **PostgreSQL · pgvector · Redis · Next.js**

- Built an AI assistant that accurately summarizes large group chats without vendor lock-in (Hexagonal Ports & Adapters, Hybrid Search), plus a mobile-first Telegram game handling heavy real-time traffic on **Redis**.

CORE TECHNICAL SKILLS

AI & GenAI Media:	OpenRouter (Image, Video, Vision), OpenAI (Agents, RAG), Gemini, RetellAI (Voice), n8n, AI Cost Control
Frontend & Mobile UX:	TypeScript, React, Next.js, React Native, Astro, Tailwind CSS, shadcn/ui, Zustand, Mobile-First UX
Backend & Architecture:	Bun, Elysia, Node.js, NestJS, Hexagonal Architecture (Ports & Adapters), DDD, Dafny
Data & Infrastructure:	PostgreSQL (pgvector), Drizzle, Prisma, Redis, MongoDB, Supabase, Docker, CI/CD

EDUCATION & LANGUAGES

Software Engineering (Continuous Self-Taught Specialization) — Distributed Systems, Clean Architecture & Production AI **2020 – Present**

Languages: Spanish (Native) · English (Professional Working Proficiency)