Merwan T Djerbi

Agentic AI Engineer

I build AI systems that save enterprises $780K+/year

merw@ndjerbi.com
(470) 521-9011
Atlanta, GA, USA
merwandjerbi.com
flair-analytics.com

$780K+	35%	34	50+
ANNUAL SAVINGS DELIVERED	STOCKOUT REDUCTION	CROSS-CONTINENTAL TEAM	AI PROJECTS BUILT

PROFILE

Agentic AI Engineer and founder of Flair Group, an AI-powered supply chain analytics company. 7+ years of experience spanning information systems, project management, and enterprise software — now fully focused on building autonomous multi-agent systems, AI-driven BI platforms, and production-grade applications using LLMs (Claude, GPT, Mistral). Currently implementing AI solutions for a $400M+ revenue enterprise client through Flair Group, designing agentic workflows that automate complex business processes end-to-end. Passionate about building AI tools that ship — from concept to production.

PROFESSIONAL EXPERIENCE

Flair Group — AI-Powered Supply Chain Analytics

2022 – Present

Founder & Agentic AI Engineer | Atlanta, GA, USA | flair-analytics.com

- Founded **Flair Group**, an AI-powered supply chain intelligence company delivering real-time KPI dashboards, AI demand forecasting, and automated inventory optimization to mid-market and enterprise clients.
- Contracted by a **$400M+ revenue global PPE manufacturer** to implement AI across their US operations (**~200 employees**).
- Designed and developed a **hierarchical multi-agent framework** (Planner-Worker-Judge pattern) using Claude Opus via the Anthropic API for **autonomous task execution**.
- Created **HiveBrain**, a local-first developer knowledge base with MCP server integration, enabling AI coding assistants to search and contribute to a **shared knowledge graph** across sessions.
- Built an **AI-powered competitor analysis platform** (FastAPI + Claude Sonnet) scoring competitors across **5 weighted dimensions** with automated data collection.
- Developed an **AI content generation & scheduling system** for LinkedIn/X using local LLMs (Ollama + Mistral) — **zero API cost**, Streamlit approval dashboard.

DeltaPlus USA — Client via Flair Group

2022 – Present

AI Solutions Architect | Atlanta, GA, USA

- Embedded within a **$400M+ revenue PPE manufacturer** to design and deploy AI-driven tools across their US operations.
- Built the **DeltaPlus Dashboard** — a Next.js + Firestore real-time KPI platform with SQCDP boards for operational visibility.
- Built the **Flair BI platform** — **34 KPIs** across 5 categories, real-time SQCDP management boards, JIT reorder simulations, and procurement decision support tools.
- Developed **lead time analysis and JIT reorder simulation** tools, reducing procurement decision time through AI-assisted inventory optimization.
- Delivered **customer churn analysis, segmentation, ABC/XYZ inventory classification**, and inventory disposal analysis using AI-driven data analytics pipelines.
- Achieved **35% reduction in stockouts**, **20% decrease in excess inventory**, and **$380K in annual cost savings**.

EGA

March 2019 – 2022

Information System Consultant | Neuilly-Sur-Marne, France

- Implemented **LIFO/FIFO logistics platform** tracking **12,000+ SKUs** across **4 warehouses**.
- Translated specifications for **8-person dev team**, facilitated weekly stakeholder meetings with **15+ participants**.
- Reduced stock reconciliation time by **60%** through custom software consolidating **3 legacy systems**.

IBM

2018 – 2019

Project Management Officer (PMO) | Montpellier, France

- Right hand of the manager for the BizTalk module of **Microsoft Dynamics Navision ERP**.
- Coordinated a **cross-continental team of 34** (France, India, Mexico), managing offshore teams and producing **data-driven KPI optimization reports**.

AI PROJECTS & OPEN SOURCE

Organized Agents — Python, Claude API
Hierarchical multi-agent framework: Orchestrator coordinates Planner, Workers, and Judge agents for autonomous task execution.

LLM Council — Python, React, OpenRouter
Multi-LLM deliberation system: queries multiple models simultaneously, anonymous peer review and ranking, chairman synthesis.

AI Social Media Manager — Python, Ollama, Streamlit
Content generation & scheduling for LinkedIn/X using local Mistral LLM. Zero API cost, approval dashboard, auto-publishing.

Data Analyst Agent — Claude Code Sub-Agent
Custom Claude Code agent for data cleaning, customer segmentation, and automated analytics workflows.

App Manager — React, Vite, Express, Node.js
Internal web dashboard to manage, monitor, and launch all AI applications from a single interface. Client-server architecture with centralized port and process management.

HiveBrain — Node.js, Astro, SQLite, MCP
Local-first developer knowledge base with REST API and MCP server. AI coding agents search and submit patterns across sessions.

ScanSafe (Food Scanner) — React, React Native, TypeScript
AI-powered PWA & mobile app: barcode scanning, Longevity Score (0-100) based on health profile, Open Food Facts integration.

AI Competitor Analysis — FastAPI, Claude Sonnet, SQLite
Automated competitor scoring across traffic, SEO, social, tech, and company dimensions with weighted AI-powered analysis.

Flair Music — React Native, Expo, Laravel, Spotify/Apple Music/Ticketmaster APIs
Music discovery app with AI-curated feed of albums, artist interviews, merch, and live events. Integrates Spotify, Apple Music, and Ticketmaster data pipelines.

Alfred — Voice AI, Conversational Agent
Fully autonomous personal AI agent with voice and chat interfaces — sends emails, manages calendar, automates daily workflows, and executes multi-step tasks end-to-end on behalf of the user.

TECHNICAL SKILLS

AI & LLMs
Claude API · OpenRouter · Ollama · Mistral · Multi-Agent · MCP · Prompt Eng. · RAG

Backend & Data
Python · Node.js · TypeScript · FastAPI · Express · SQL · SQLite · Firestore · REST APIs

Frontend & Apps
React · Next.js · Vite · Streamlit · Astro · React Native · Tailwind

DevOps & Tools
Git · Docker · Claude Code · Vercel · Firebase · uv · npm

Business & Analytics
KPI Design · Supply Chain · BI Dashboards · Procurement · PM

Methodologies
Agentic AI · Planner-Worker-Judge · Autonomous Systems · Agile · Lean

EDUCATION

ESME Sudria, Paris — Master's Degree in Digital Intelligence and Data (Information Systems, Big Data) 2013 – 2018
International semester at Heriot-Watt University, Edinburgh, Scotland.

LANGUAGES

English: Bilingual **French:** Native **Spanish:** Conversational