David Morgan

Techno-Functional Supply Chain Developer | Python · Salesforce Apex · WMS Engineering · Full Stack R

Atlanta, GA (Remote / Open to Relocation)

www.damgooddata.com | linkedin.com/in/dam-good-data | github.com/damgooddata

PROFESSIONAL SUMMARY

Techno-Functional Supply Chain Developer with **20+ years** engineering production-grade automation platforms at the intersection of logistics operations and scalable software systems. Proven track record architecting Python-driven platforms delivering **$25M+ in annual profit**, building React full-stack web applications that **compressed multi-million-dollar grant review cycles by one full month**, and developing Salesforce Apex solutions with Lightning Web Components (LWC), Orchestrated Flows, and multi-platform API integrations (Bill.com, Slack, GoodGrants). Deep operational fluency in Manhattan Active WMS, FTZ compliance, and warehouse systems engineering ensures every line of code is grounded in real-world supply chain context. Equally capable writing bulkified Apex triggers, designing FastAPI microservices, building event-driven ETL pipelines on GCP, or architecting RAG-based AI knowledge systems -- uniquely positioned as the developer who bridges complex business logic and high-performance code.

TECHNICAL SKILLS

Languages & Frameworks: Python 3.x, FastAPI, Flask, React, JavaScript (ES6+), Java, Apex, SQL, HTML5/CSS3, VBA

WMS & Supply Chain: Manhattan Active WM, EDI Integration, FTZ Compliance, PO Lifecycle Management, MHE Systems, Inventory Reconciliation

Cloud & DevOps: Google Cloud Run, Microsoft Azure, GCP Cron Jobs, Power Platform (Apps/Automate/BI), Git, Docker, CI/CD Pipelines

AI / ML / RAG: RAG Architecture, LangChain, ChromaDB, LLM API Integration, Vector Database Indexing, Prompt Engineering

Salesforce Platform: Apex, Lightning Web Components (LWC), Orchestrated Flows, Flow Builder, SOQL, REST/SOAP/Bulk/Pub-Sub APIs, Approval Processes

Data & Databases: SQL Server, PostgreSQL, SSIS, Talend ETL, Apache Spark, Microsoft Access, Power BI, Looker Studio, Databox

Integrations & APIs: REST, SOAP, JSON, XML, Bill.com, Slack, Shopify, Clio, GoodGrants, Google Workspace APIs, SharePoint, STIBO PIM

Specialized Techniques: Levenshtein Fuzzy Matching, Checksum Algorithms, Geo-Point Classification, Activity-Based Costing, Web Scraping, Reverse Engineering

PROFESSIONAL EXPERIENCE

Founder & Principal Software Engineer - **DAMgoodData**   *Aug 2020 - Present*

Remote | www.damgooddata.com

- Architected a **React full-stack grant management platform** for The Yass Prize / Center for Educational Reform, replacing static Word documents with a real-time, bidirectional GoodGrants API-integrated review system featuring user authentication, CAPTCHA, role-based access, and admin dashboard -- **compressing the annual grant review period by 1 full month** across multi-phase peer review of hundreds of applicants.
- Engineered **Salesforce Apex + Lightning Web Components (LWC)** expense automation with Orchestrated Flows, dynamic approval routing (manager hierarchy & expense value thresholds), **Bill.com API** automated vendor bill creation, and **Slack API** embedded approve/reject buttons -- eliminating a multi-step manual workflow with automated vendor onboarding.
- Built **Python data orchestration platform on Google Cloud Run** with cron-scheduled ETL jobs, Google Drive/Sheets/Docs API pipelines, and Looker Studio dashboards for Global Frontier Missions -- eliminating manual field data consolidation across siloed Google Forms and Sheets.
- Developed **RAG-based AI knowledge retrieval system** using LangChain, ChromaDB vector database, and LLM API integration served via Python backend -- enabling context-aware SOP navigation (deployed live as "Computron" at www.damgooddata.com).
- Built **SEO-optimized React website** with headless CMS architecture and automated Google My Business API review integration for Shaka Roofing -- maintaining storm-specific testimonials for targeted organic search ranking.
- Engineered custom **Shopify JavaScript plugin** for RipLaces with real-time product image preview and automated kit bundle cart management; developed Python law-firm marketing app with **Levenshtein fuzzy matching**, dynamic column mapping, and duplicate detection for multi-county arrest record processing (Soyars & Morgan Law).
- Reverse-engineered Microsoft Access swim meet database; built **checksum-validated Excel import tool** for NYC Public Schools -- eliminating manual stat entry for multi-school athletic events.

Senior Merchandising Financial Analyst - Floor & Decor
Mar 2021 - Apr 2024

Atlanta, GA

- Engineered **Python automation platform generating $25M in annual profit** through vendor subsidy and cost recovery programs -- architecting email-triggered invoice processing, SharePoint access management via STIBO PIM integration, 10,000+ automated vendor remittance emails per cycle, and AP-ready consolidated output; **replaced a full-time manual position entirely**.
- Built **real-time physical inventory reconciliation system** with direct Manhattan Active WMS integration, 15-minute SQL refresh cycles, and math-based case-vs-eaches error detection -- compressing annual warehouse inventory cycle from **~1 week to 2 business days** across 1M+ sq ft distribution centers; system adopted as native Manhattan WMS module by IT.
- Developed custom **multi-user mobile scanning application** (10 concurrent stations) for LA warehouse relocation: pallet manifest tracking, 24,000-lb bay-load alerts, driver photo ID capture, seal barcode verification, automated BOL/packing list generation, and Manhattan WMS put-away confirmation -- achieving **near-zero inventory loss** across the full relocation.
- **Automated domestic logistics invoice pipeline:** Outlook email trigger -> strict format validation -> GL code algorithm -> manager review -> fiscal-week auto-approval -> AP consolidated file; eliminated headcount addition.
- Built freight claims intake with **Microsoft Power Apps + Power Automate** achieving **60% reduction in claim resolution time** ; revamped Python/Java data pipelines for **50% improvement in throughput** ; converted 30+ Excel reports to scheduled Power BI dashboards.

Supply Chain Reporting Manager - Floor & Decor
Jun 2016 - Mar 2021

Atlanta, GA

- Architected company-wide **supply chain BI infrastructure** : migrated legacy Access databases to SQL Server, integrated **Manhattan Active WMS** raw data layer, and deployed SSIS + Talend ETL pipelines in a scheduled network environment -- replacing an Access "reporting server under a desk" with a production-grade analytics platform.
- Engineered Houston DC warehouse expansion support: real-time **Manhattan WMS location updates** across nightly relocation cycles, enabling construction while operations continued uninterrupted.
- Built **PO Lifecycle data cube** unifying 30+ purchase order status reports into a single controlled Power BI environment with network-scheduled refresh.
- Implemented **FTZ freight accrual system** tracking actual vs. landed cost per SKU; built tariff risk monitoring enabling rapid supplier diversification. Designed EDI feed and API integration architecture for supply chain data acquisition.

Supply Chain Auditor - Southeastern Grocers (Winn-Dixie / Bi-Lo)
Apr 2013 - Jun 2016

Jacksonville, FL

- Built automated vendor invoice audit tool recovering **$2.3M in unpaid rebates** during a 6-month audit across the full Southeastern Grocers store network (Winn-Dixie & Bi-Lo).
- Engineered **commodity-based delivery frequency optimization system** with seasonal demand monitoring dashboard, managing all delivery schedules under C&S Wholesale dual-penalty SLA constraints (lost sales fines + excess inventory fees) for all store locations.
- Managed **promotional demand forecasting** for advertised deals (BOGO, 2-for-X), modeling lift factors and cross-promotion cannibalization; assisted conversion of 120+ acquisition stores.

Regional Logistics Analyst / Transportation Analyst - Interline Brands Inc.
Aug 2007 - Nov 2012

Jacksonville, FL

- Redesigned DC/RDC regional assignment model yielding **$93K annual cost avoidance** ; automated LTL RFP analysis pipeline (full analysis in <1 day) generating **$67K additional carrier savings**.
- Developed parcel claims recovery process recapturing **$120K+ annually** ; managed **$10M parcel budget**.
- Built **Proof of Delivery (POD) system** with driver training programs and KPI compliance reporting; engineered **Electronic Bill of Lading (E-BOL)** for automated shipping document generation at dispatch; built real-time customer freight calculator integrated into order entry system.

HR / PAS Dispatch / Pre-Load Supervisor - UPS
Oct 2003 - May 2007

Jacksonville, FL

- Led pre-employment screening and seasonal driver recruitment; supervised 12+ direct reports as Pre-Load Supervisor; dispatched 20 daily routes as PAS Dispatch Supervisor; served on the Northeast Florida **PAS (Package Assist System) Implementation Team**.

EDUCATION & CERTIFICATIONS

B.S. Business Administration - Logistics & Supply Chain Management
University of North Florida | Jacksonville, FL
Core Studies: Florida State College of Jacksonville (transferred to UNF)

Salesforce Platform API Superbadge - Salesforce Trailhead
AI Portfolio: "Computron" RAG Chatbot - www.damgooddata.com
Domain: Manhattan Active WM · FTZ Compliance · Supply Chain Intelligence