

CONTACT

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St. Petersburg, FL

CORE SKILLS

- LLM Applications
- Workflow Orchestration
- Prompt Engineering
- AI Workflow Automation
- OpenAI API
- AI Agents
- Python
- FastAPI
- Flask
- React
- TypeScript
- CRM Automation
- API Integrations
- Operational Systems
- Rapid Prototyping
- Conversational AI

EDUCATION

BFA, The Art Institute
of Houston

Licensed Life & Health
Insurance Agent – FL & TX

Licensed Cosmetologist

JAMES FLETTY

AI Builder • Workflow Architect • Automation Systems Strategist

SUMMARY

AI systems builder and automation strategist with hands-on experience designing AI-powered workflows, operational tooling, orchestration systems, conversational interfaces, and rapid prototypes using modern LLM ecosystems. Experienced translating ambiguous operational problems into deployable AI solutions using APIs, prompt engineering, Python tooling, automation frameworks, and iterative product design.

WORK EXPERIENCE

Business Development & AI Automation Consultant

[Lotus Growth Solutions](#) | 2023 – Present

- Designed AI-powered operational workflows and onboarding systems for healthcare and service businesses.
- Built AI-assisted workflow tooling integrating LLM systems, automation frameworks, and CRM pipelines.
- Translated ambiguous operational problems into deployable automation systems.

Independent AI Systems Consultant

[Freelance](#) | 2022 – Present

- Developed experimental AI products, orchestration tooling, and conversational systems focused on operational efficiency.
- Built OpenAI-powered workflows, local-agent experiments, and AI-assisted interfaces.

Licensed Health Insurance Agent

[Bloom Insurance / Symmetry](#) | 2023 – Present

- Managed high-volume consultative workflows and CRM-driven operational systems.
- Worked extensively with Medicare and ACA workflows, compliance processes, and plan comparison systems.

SELECTED PROJECTS

- PlanConcierge1 – github.com/jflett1990/PlanConcierge1
- ai-novel-writing-app – github.com/jflett1990/ai-novel-writing-app
- DATA-MINING_ENGINE – github.com/jflett1990/DATA-_MINING_ENGINE

JAMES FLETTY

AI PORTFOLIO

Selected AI systems, orchestration frameworks,
and workflow automation projects

BUILD PHILOSOPHY

I approach AI systems as operational architecture problems rather than isolated model problems. The challenge is not simply generating output, but designing workflows that maintain context, reduce operational friction, coordinate systems reliably, and evolve into usable internal tools.

1. Plan Concierge

<https://github.com/jflett1990/PlanConcierge1>

Overview:

Agent-first ACA/Medicare plan comparison platform designed to streamline insurance recommendation workflows.

Problem:

ACA and Medicare plan selection involves fragmented workflows spanning intake, comparison, compliance, documentation, and explanation.

System Design:

Built a workflow-oriented platform combining guided intake, plan comparison, AI-generated explanations, compliance tracking, and PDF export systems.

Workflow Architecture:

Client Intake → Eligibility Capture → Plan Filtering → AI Explanations → Compliance Checks → PDF Export

Technical Stack:

React • Vite • TypeScript • Flask • Flask-RESTX • OpenAI GPT-4o • WeasyPrint • PostgreSQL-ready architecture

Technical Focus:

Compliance-aware workflows • AI explanations • operational tooling • structured plan comparison

Outcome:

Demonstrates applied AI orchestration in a regulated operational domain with client-facing workflows and compliance tracking.

2. AI Novel Writing Application

<https://github.com/jflett1990/ai-novel-writing-app>

Overview:

Full-stack AI writing platform focused on longform fiction workflows and context-aware generation.

Problem:

Most AI writing systems struggle with longform continuity, narrative structure, and generic prose generation.

System Design:

Built a structured AI-assisted writing environment supporting outline generation, character systems, worldbuilding, chapter workflows, and export pipelines.

Workflow Architecture:

Story Creation → Context Retrieval → Prompt Construction → Generation Pipeline → Revision Flow

Technical Stack:

FastAPI • SQLAlchemy • SQLite • Pydantic • React • TypeScript • Material UI • OpenAI • Ollama

Technical Focus:

Narrative-state management • prompt engineering • workflow orchestration • local AI support

Outcome:

Demonstrates full-stack AI product architecture with modular workflow sequencing and advanced prompt engineering.

3. Autonomous Data Pipeline Engine

https://github.com/jflett1990/DATA-_MINING_ENGINE

Overview:

Experimental modular ingestion and enrichment framework for structured public-data workflows.

Problem:

Data acquisition pipelines are often fragmented across scraping, enrichment, normalization, export, and observability systems.

System Design:

Built a modular architecture combining async scraper plugins, ETL processing, Claude-powered enrichment workflows, export systems, observability tooling, and API/webhook infrastructure.

Workflow Architecture:

[Scraper Plugins](#) → [ETL](#) → [Claude Enrichment](#) → [Export Pipeline](#) → [Seller/API Layer](#) → [Metrics & Alerting](#)

Technical Stack:

Python • AsyncIO • SQLAlchemy • Postgres • FastAPI • Docker • Prometheus • Loki • Claude CLI

Technical Focus:

ETL orchestration • modular plugin systems • observability • retry/backoff systems • workflow resilience

Outcome:

Demonstrates systems-level orchestration thinking spanning ingestion, enrichment, monitoring, and operational infrastructure.

ADDITIONAL PROJECTS

• **consultbot**

<https://github.com/jflett1990/consultbot>

Conversational AI assistant for consultative workflows

• **ollamaagent**

<https://github.com/jflett1990/ollamaagent>

Local-agent experimentation framework