Anthony James Padavano

CREATIVE TECHNOLOGIST (AI ORCHESTRATION)

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LINKS

Portfolio · Omni-Dromenon Engine · ORGANVM System · GitHub

PROFILE

Independent creative technologist and systems architect building production-grade AI orchestration frameworks and steerable creative infrastructure. Creator of the "ORGANVM Metasystem," a 103-repository autonomous ecosystem designed to explore the frontier of human-agent collaboration. Specialist in "AI-native" development environments where specialized agent definitions serve as compositional instruments. Focused on demonstrating how technical rigor —including automated governance and 2,349+ automated tests—can redefine AI as a transparent, steerable extension of human intent. Full-Stack Developer (Meta). 18 years professional experience. MFA Creative Writing. LGBTQ+.

TECHNICAL SKILLS

AI Orchestration · Claude Agent SDK · Multi-Agent Coordination · Technical Storytelling · Software Architecture · CI/CD · GitHub Actions · TypeScript · Python · React 18 · Node.js · Zod · pytest · Vitest · YAML/JSON Schema · D3.js · p5.js · Creative Coding · Docker · Git

SELECTED PROJECTS

ORGANVM Eight-Organ System — 103-Repository AI Orchestration Corpus
A unified technical and narrative infrastructure encompassing 21K code files and 810K+ words of documentation. Governed by a formal promotion state machine and automated dependency validation. A live demonstration of "solo production at institutional scale" using 32 specialized AI agent definitions as a steerable creative team.

agentic-titan — Multi-Agent Orchestration & CLI Framework
TypeScript framework for orchestrating complex, multi-step creative and engineering tasks across autonomous agent swarms. Includes 18 development phases and 1,276 tests. Engineered for high-reliability tool invocation and transparent task decomposition.

Classroom RPG Aetheria — AI-Native Learning Environment
Prototype for an interactive pedagogical environment featuring dynamic AI quest generation. Hardened for production with robust failure handling and 100% pass rate across unit tests. An exploration of making complex AI integrations resilient, human-centric, and steerable.

Omni-Dromenon Engine — Audience-Participatory Performance System
Real-time performance infrastructure where collective input shapes live art through weighted consensus algorithms. Reclaims automated decision-making as an interactive dialogue between human intent and machine volume. <2ms P95 latency.

Portfolio — Performance-Grade Scannable Interface
Astro 5 site governed by a CI/CD "quality ratchet" that enforces strict validation standards. Represents the scannable "Storefront" for 42 published technical essays documenting the frontier of AI-augmented production.

EXPERIENCE

Independent Creative Technologist & AI Systems Architect
2020 — Present

- **AI Steerability:** Pioneered an "AI-conductor" methodology using 32 specialized AI agent definitions as compositional instruments; shifting the creative act from discrete production to systemic orchestration.
- **Infrastructure Rigor:** Built a corpus of 2,349+ automated tests across 94 active repositories, utilizing technical correctness as a method for ensuring model reliability and safety.
- **Autonomous Governance:** Designed a 103-repository system governed by automated validation and 94 CI/CD pipelines to sustain institutional-scale production as a solo practitioner.
- **Technical Advocacy:** Published ~810K+ words of documentation and essays, translating deep systemic architecture into scannable human-readable interfaces for AI-native workflows.

Instructor — Composition, Writing & Complex Systems
2015 — Present

Miami Dade College, Keiser University, Nova Southeastern, FAU, Young Harris, Tarrant County, Broward, Palm Beach State

- 100+ courses across 8 institutions; 2,000+ students. Mentoring practitioners in technical rigor and translating complex architectural concepts into accessible pedagogical content.

Digital Marketing Manager & Narrative Strategist
2023 — 2024

Miami Dade College Foundation (nonprofit)

- Architected foundation website overhaul and campaign design, utilizing data analysis to drive a 32% increase in donor engagement.

Multimedia Specialist
2011 — 2020

AJP Media Arts — clients incl. Boca Ballet Theatre, Forward Funding, Arts in Boca

- Produced high-volume visual and narrative campaigns; generated 17.5M+ views through technical and creative production.

EDUCATION

M.F.A. Creative Writing, Florida Atlantic University — 2015 — 2018
B.A. English Literature, CUNY College of Staten Island — 2010 — 2014

CERTIFICATIONS Full-Stack Developer, Meta (2024) · UX Design, Google (2023) · Digital Marketing, Google (2023) · Project Management, Google (2023)