

Anthony James Padavano

CREATIVE TECHNOLOGIST (CULTURAL INFRASTRUCTURE)

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LINKS

[Portfolio](#) · [Omni-Dromenon Engine](#) · [ORGANVM System](#) · [GitHub](#)

PROFILE

Creative technologist and veteran educator (11 years) building production-grade AI orchestration systems and resilient cultural infrastructure. Creator and sole architect of a 103-repository metasystem encompassing 21K code files and 3.6K tests, designed to demonstrate a new model for creative agency in the frontier AI era. Specialist in "solo production at institutional scale," using specialized AI agent definitions as compositional instruments to build autonomous, governed architectures. Focused on the intersection of technical rigor, creative labor, and collective storytelling. Full-Stack Developer (Meta). MFA Creative Writing. LGBTQ+.

TECHNICAL SKILLS

AI Orchestration · Cultural Infrastructure · Multi-Agent Coordination · Technical Storytelling · Software Architecture · CI/CD · GitHub Actions · TypeScript · Python · React 18 · Node.js · Schema Validation · D3.js · p5.js · Creative Coding · Pedagogical Design · Markdown · Docker · Git

SELECTED PROJECTS

ORGANVM Eight-Organ System — 103-Repository Creative Infrastructure

A production-grade infrastructure for creative production encompassing 8 GitHub organizations and ~810K+ words of documentation. Governed by a formal promotion state machine and automated dependency validation. A live demonstration of how the rigor of frontier engineering can be reclaimed to build resilient, autonomous cultural infrastructure as a solo practitioner.

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 to explore the "AI-conductor" model as a future for collaborative creative labor.

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 and accessible for cultural learners.

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, human-scale dialogue between 1,000+ concurrent participants. <2ms P95 latency. Open-source MIT.

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 deep systemic infrastructure work, translating technical complexity into accessible narrative entry points.

EXPERIENCE

Independent Creative Technologist & Systems Architect

2020 — Present

- **AI Orchestration:** Designed a 103-repository system with automated governance and 32 AI agent definitions; human directs intent, AI generates volume, human reviews for correctness.
- **Infrastructure as Medium:** Architected production-grade creative pipelines using 128 GitHub Actions workflows and 94 CI/CD pipelines to sustain solo production at institutional scale.
- **Cultural Tooling:** Built CLI pipeline tools for scoring, research, and synthesis using Python and YAML schema validation; optimized for managing high-context density in creative workflows.
- **Technical Storytelling:** Documented "AI-conductor" methodology across 42 published essays (~142K words), exploring the future of creative labor and human-agent togetherness.

Instructor — Composition, Writing & Systems Thinking

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. Translating complex technical and architectural concepts into accessible documentation and mentoring students in technical rigor.

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

C E R T I F I C A T I O N S Full-Stack Developer, Meta (2024) · UX Design, Google (2023) · Digital Marketing, Google (2023) · Project Management, Google (2023)