

Anthony James Padavano

SENIOR DEVELOPER ADVOCATE (VIDEO CONTENT & SEARCH AI)

New York City | 561-602-7300 | padavano.anthony@gmail.com

LINKS

[Portfolio](#) · [GitHub](#) · [agentic-titan](#) · [ORGANVM System](#)

PROFILE

Independent software engineer and multimedia specialist building production-grade infrastructure, developer tooling, and high-signal technical narratives. Creator and sole architect of a 103-repository ecosystem across 8 GitHub organizations governed by automated validation and 2,349+ tests. Specialist in translating deep technical "Cathedrals"—including agentic workflows, vector search, and distributed observability—into engaging, lead-contributor video content for the developer community. Expert in "solo production at institutional scale," utilizing an "AI-conductor" methodology to maintain technical integrity while generating high-volume visual campaigns (17.5M+ views). Full-Stack Developer (Meta). MFA Creative Writing. LGBTQ+.

TECHNICAL SKILLS

Technical Storytelling · Video Production · Search AI · TypeScript · Python · Node.js · React 18 · CLI Tooling · GitHub Actions · CI/CD · Zod · pytest · Vitest · YAML/JSON Schema · Docker · Git · pnpm Monorepos · GCP / Terraform · WebSocket · Redis · Nginx · D3.js · p5.js

SELECTED PROJECTS

ORGANVM Eight-Organ System — 103-Repository Developer Infrastructure

A unified technical and narrative corpus encompassing 21K code files and 3.6K tests. Governed by a formal promotion state machine and automated dependency validation. A live demonstration of "solo production at institutional scale" used as the foundation for high-quality technical demos and video deep-dives.

Portfolio — Performance-Grade Multimedia Interface

Astro 5 site governed by a CI/CD "quality ratchet" that enforces strict validation standards. Represents the viewable "Storefront" for 42 published technical essays and immersive video projects (like 'MET4MORFOSES') exploring the frontier of AI production.

agentic-titan — Multi-Agent Orchestration & CLI Framework

TypeScript framework for orchestrating complex engineering and content creation tasks across autonomous agents. Includes 18 development phases and 1,276 tests. Engineered for high-reliability tool invocation, task decomposition, and visual state management.

Classroom RPG Aetheria — AI-Native Learning Environment

Gamified education platform featuring dynamic AI quest generation. Hardened for production with XSS mitigation and robust failure handling. A prototype for how complex AI-native visualizations and interactions can be communicated through video.

Application Pipeline — Systems Analysis & Advocacy Suite

Python-based CLI suite for pipeline orchestration: 8-dimension scoring rubric and YAML-driven state machine. Automates intake, research, and synthesis tasks, translating technical evidence into scannable storefront materials for global advocacy.

EXPERIENCE

Independent Software Engineer & Multimedia Specialist

2020 — Present

- **Technical Content Production:** Produced high-volume scannable technical content and visual campaigns; generated 17.5M+ views through the intersection of technical depth and creative storytelling.
- **Infrastructure Reliability:** Built a corpus of 2,349+ automated tests across 94 active repositories, ensuring technical correctness in all demos and video deep-dives.
- **AI-Native Automation:** Developed multi-agent frameworks using the Claude Agent SDK featuring structured tool invocation and self-correction protocols for autonomous content orchestration.
- **Governance at Scale:** Designed a 103-repository system governed by automated validation and 94 CI/CD pipelines to sustain institutional-scale content production as a solo practitioner.

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 video 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 through video and digital strategy.

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 and \$2M in fundraising 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)