

# Anthony James Padavano

SENIOR DEVELOPER ADVOCATE (VIDEO CONTENT & SEARCH AI)

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| LINKS             | <a href="#">Portfolio</a> · <a href="#">GitHub</a> · <a href="#">agentic-titan</a> · <a href="#">ORGANVM System</a>   |  |
| 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 | <b>ORGANVM Eight-Organ System — 103-Repository Developer Infrastructure</b><br>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.  |  |
|                   | <b>Portfolio — Performance-Grade Multimedia Interface</b><br>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.   |  |
|                   | <b>agentic-titan — Multi-Agent Orchestration &amp; CLI Framework</b><br>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.   |  |
|                   | <b>Classroom RPG Aetheria — AI-Native Learning Environment</b><br>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.  |  |
|                   | <b>Application Pipeline — Systems Analysis &amp; Advocacy Suite</b><br>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        | <b>Independent Software Engineer &amp; Multimedia Specialist</b> 2020 — Present <ul style="list-style-type: none"><li><b>Technical Content Production:</b> Produced high-volume scannable technical content and visual campaigns; generated 17.5M+ views through the intersection of technical depth and creative storytelling.</li><li><b>Infrastructure Reliability:</b> Built a corpus of 2,349+ automated tests across 94 active repositories, ensuring technical correctness in all demos and video deep-dives.</li><li><b>AI-Native Automation:</b> Developed multi-agent frameworks using the Claude Agent SDK featuring structured tool invocation and self-correction protocols for autonomous content orchestration.</li><li><b>Governance at Scale:</b> Designed a 103-repository system governed by automated validation and 94 CI/CD pipelines to sustain institutional-scale content production as a solo practitioner.</li></ul> |  |
|                   | <b>Instructor — Composition, Writing &amp; Complex Systems</b> 2015 — Present<br><i>Miami Dade College, Keiser University, Nova Southeastern, FAU, Young Harris, Tarrant County, Broward, Palm Beach State</i> <ul style="list-style-type: none"><li>100+ courses across 8 institutions; 2,000+ students. Mentoring practitioners in technical rigor and translating complex architectural concepts into accessible video pedagogical content.</li></ul>  |  |
|                   | <b>Digital Marketing Manager &amp; Narrative Strategist</b> 2023 — 2024<br><i>Miami Dade College Foundation (nonprofit)</i> <ul style="list-style-type: none"><li>Architected foundation website overhaul and campaign design, utilizing data analysis to drive a 32% increase in donor engagement through video and digital strategy.</li></ul>  |  |
|                   | <b>Multimedia Specialist</b> 2011 — 2020<br><i>AJP Media Arts — clients incl. Boca Ballet Theatre, Forward Funding, Arts in Boca</i> <ul style="list-style-type: none"><li>Produced high-volume visual and narrative campaigns; generated 17.5M+ views and \$2M in fundraising through technical and creative production.</li></ul>   |  |
|                   | <b>M.F.A. Creative Writing</b> , Florida Atlantic University 2015 — 2018<br><b>B.A. English Literature</b> , 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)