

Anthony James Padavano

STAFF DEVELOPER ADVOCATE (DEVELOPER ENABLEMENT)

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LINKS

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

PROFILE

Independent software engineer and veteran educator (11 years, 2,000 students) building production-grade technical infrastructure, developer tooling, and multi-agent orchestration systems. Creator and sole architect of a 103-repository metasystem across 8 GitHub organizations governed by automated validation, 94 CI/CD pipelines, and 2,349+ tests. Specialist in the "AI-conductor" methodology, translating complex distributed systems architecture into high-signal "Storefront" curriculum for enterprise adoption. Focused on pedagogical rigor, technical correctness, and building the reliable research computing environments that define the next generation of developer success. Full-Stack Developer (Meta). MFA Creative Writing. LGBTQ+.

TECHNICAL SKILLS

TypeScript · Python · Node.js · Distributed Systems · Developer Education · CLI Tooling · GitHub Actions · CI/CD · Zod · pytest · Vitest · Claude Agent SDK · YAML/JSON Schema · React 18 · pnpm Monorepos · Express · Docker · Git · GCP / Terraform · WebSocket · Redis · Nginx · D3.js · p5.js

SELECTED PROJECTS

ORGANVM Eight-Organ System — 103-Repository Learning Infrastructure

A unified technical corpus encompassing 21K code files and 3.6K tests. Governed by a formal promotion state machine and automated dependency validation. Features 128 GitHub Actions workflows built on 18 reusable templates. A live demonstration of durable, steerable orchestration and "solo production at institutional scale."

Application Pipeline — CLI Instructional Orchestrator

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

agentic-titan — Multi-Agent Orchestration & CLI Framework

TypeScript framework for orchestrating complex, multi-step engineering and pedagogical tasks across autonomous agents. 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

Gamified education platform prototype featuring dynamic AI quest generation. Hardened for production with XSS mitigation and robust failure handling. An exploration of building resilient, human-centric agentic integrations for cultural learners.

Portfolio — Performance-Grade Documentation Site

Astro 5 site governed by a CI/CD "quality ratchet" that enforces strict validation and testing standards. Represents the scannable "Storefront" for 42 published technical essays documented as part of the public process.

EXPERIENCE

Independent Software Engineer & Education Platform Architect

2020 — Present

- **AI-Native Education:** Designed 103-repository system with automated governance and 32 AI agent definitions; human directs intent, AI generates volume, human reviews for correctness.
- **Infrastructure Rigor:** Built a corpus of 2,349+ automated tests across 94 active repositories, ensuring correctness in complex, cross-organizational developer tooling and educational materials.
- **Developer Enablement:** Built CLI pipeline tools for scoring, research, and synthesis using Python and YAML schema validation; optimized for managing high-context density in complex technical workflows.
- **Systems Governance:** Orchestrated 128 GitHub Actions workflows built on 18 reusable templates to maintain production reliability across 8 independent organizations.

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. Translating complex technical and architectural concepts into accessible documentation and mentoring junior developers 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)