

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 developer tooling and multi-agent orchestration systems. Creator of a 103-repository metasystem across 8 GitHub organizations governed by 94 CI/CD pipelines, 2,349+ tests, and ~810K+ words of documentation. Specialist in translating complex distributed systems into high-signal "Storefront" curriculum for enterprise adoption. Focused on developer enablement, AI-native education infrastructure, and building peer-to-peer learning resources for the global developer community. Full-Stack Developer (Meta). 18 years experience. 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 and narrative corpus encompassing 21K code files, 3.6K tests, and ~810K+ words of documentation. Governed by a formal promotion state machine, automated dependency validation, and 128 GitHub Actions workflows on 18 reusable templates. A live demonstration of developer enablement at institutional scale.

agentic-titan — Multi-Agent Orchestration & CLI Framework

TypeScript framework for orchestrating complex, multi-step engineering tasks across autonomous agents. Includes 18 development phases and 1,276 tests. Engineered for high-reliability tool invocation and transparent task decomposition.

Application Pipeline — CLI-Driven Enablement Suite

Python-based CLI suite implementing an 8-dimension scoring rubric and YAML-driven state machine. Automates complex research and content synthesis tasks, translating deep technical evidence into scannable storefront materials for developer adoption.

Classroom RPG Aetheria — AI-Native Learning Environment

Gamified education platform prototype featuring dynamic AI quest generation and adaptive learning paths. Production-hardened with XSS mitigation, robust failure handling, and 100% pass rate across unit tests. A prototype for AI-native developer enablement.

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 (~142K words) as part of the public process.

EXPERIENCE

Independent Software Engineer & Education Platform Architect

2020 — Present

- **AI-Native Education:** Architected a 103-repository system with automated governance and 32 AI agent definitions; implementing the "AI-conductor" methodology where human directs, AI generates, and human reviews.
- **Infrastructure Rigor:** Designed a corpus of 2,349+ automated tests across 94 active repositories, ensuring correctness and preventing regressions in cross-organizational developer tooling and enablement infrastructure.
- **Developer Enablement:** Built CLI pipeline tools for scoring, research, and synthesis using Python and YAML schema validation, translating deep technical evidence into accessible storefront materials.
- **Systems Governance:** Engineered 128 GitHub Actions workflows on 18 reusable templates across 8 independent organizations, enforcing quality gates and golden path compliance at institutional scale.

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

CERTIFICATIONS

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