

# Anthony James Padavano

SENIOR TECHNICAL WRITER (DATABASE EXPERIENCE & DOCS AS CODE)

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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 infrastructure, developer tooling, and documentation corpuses. Creator and sole architect of a 103-repository ecosystem across 8 GitHub organizations governed by automated validation and ~810K+ words of documentation. Specialist in "Docs as Code" methodologies and translating complex backend primitives—including distributed systems, Vector Search, and REST APIs—into scannable "Storefront" narratives for the global developer community. Expert in technical correctness, technical writing, and building the reliable educational frameworks that define the next generation of data-driven innovation. Full-Stack Developer (Meta). MFA Creative Writing. LGBTQ+.

## TECHNICAL SKILLS

Technical Writing · Markdown · GitHub · CI/CD · Node.js · JavaScript · Go · Python · CLI Tooling · MongoDB Atlas · Vector Search · Zod · pytest · Vitest · YAML/JSON Schema · React 18 · Express · pnpm Monorepos · Docker · Git · GCP / Terraform · WebSocket · Redis · Nginx · D3.js · p5.js

## SELECTED PROJECTS

### ORGANVM Eight-Organ System — 103-Repository "Docs as Code" 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. Features 128 GitHub Actions workflows. A live demonstration of how institutional-scale digital architecture can be made transparent and scannable through rigorous documentation.

### Application Pipeline — Systems Analysis & Documentation Suite

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

### agentic-titan — Multi-Agent Orchestration & CLI Framework

TypeScript framework for orchestrating complex engineering tasks across autonomous agents. Includes 18 development phases and 1,276 tests. Engineered for high-reliability tool invocation, task decomposition, and transparent 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 making complex AI integrations resilient, human-centric, and well-documented.

### 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 essays (~142K words) documenting the frontier of developer experience.

## EXPERIENCE

### Independent Software Engineer & Technical Writer

2020 — Present

- **Docs as Code Infrastructure:** Designed a 103-repository system governed by automated validation and 94 CI/CD pipelines; maintained a documentation corpus of 810K+ words native to GitHub and Markdown.
- **Technical Advocacy:** Documented "AI-conductor" methodology across 42 published essays (~142K words), exploring the intersection of model capabilities and engineering rigor for the developer community.
- **Infrastructure Reliability:** Built a corpus of 2,349+ automated tests across 94 active repositories, ensuring documentation accuracy through technical correctness and automated verification.
- **Systemic Storytelling:** Produced high-volume scannable technical content for engineers, translating deep architectural concepts into accessible narrative entry points.

### 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 students in technical rigor and translating complex architectural concepts into accessible 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.

### 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)