

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 and documentation corpuses. Creator of a 103-repository ecosystem across 8 GitHub organizations governed by 94 CI/CD pipelines and ~810K+ words of documentation. Specialist in "Docs as Code" and translating complex backend primitives—including distributed systems, Vector Search, and REST APIs—into scannable, high-signal technical content. Focused on systemic reliability and building peer-to-peer educational resources for developers. Full-Stack Developer (Meta). 18 years experience. 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, 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.

Application Pipeline — Systems Analysis & Documentation 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 documentation for public engagement.

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 state management.

Classroom RPG Aetheria — AI-Native Learning Environment

Gamified education platform prototype featuring dynamic AI quest generation. Hardened for production with robust failure handling and 100% pass rate across unit tests. A prototype for how complex system state can be documented and made resilient.

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) documented as part of the public process.

EXPERIENCE

Independent Software Engineer & Technical Writer

2020 — Present

- **Docs as Code Infrastructure:** Designed 103-repository system with 94 CI/CD pipelines; documentation corpus of 810K+ words native to GitHub and Markdown, treating docs as first-class artifacts.
- **Technical Advocacy:** Authored 42 published essays (~142K words) on "AI-conductor" methodology, exploring the intersection of model capabilities and engineering rigor.
- **Infrastructure Reliability:** Built 2,349+ automated tests across 94 repositories ensuring documentation accuracy through technical correctness and automated verification.
- **Systemic Storytelling:** Produced high-volume scannable technical content for developers, translating deep systemic architecture 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)