# Anthony James Padavano

## SENIOR TECHNICAL WRITER (DOCS AS CODE)

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**LINKS**

Portfolio · GitHub · agentic-titan · ORGANVM System

**PROFILE**

Independent engineer and veteran educator (11 years, 2,000 students) building production-grade infrastructure, developer tooling, and AI orchestration systems. Architect of a 103-repository ecosystem governed by automated validation and ~810K+ words of documentation. Specialist in "Docs as Code" methodologies, translating complex systemic architecture into scannable, high-signal "Storefront" documentation for observability and AI-native systems. Expert in Markdown, static-site generators (Astro 5), and GitHub-driven CI/CD workflows. MFA Creative Writing. 18 years professional experience. LGBTQ+.

**TECHNICAL SKILLS**

Technical Writing · Markdown · GitHub · CI/CD · Python · TypeScript · CLI Tooling · Node.js · YAML/JSON Schema · Astro 5 · Docker · Git · Zod · pytest · Vitest · Claude Agent SDK · GCP / Terraform · WebSocket · Redis · Nginx · D3.js · p5.js

**SELECTED PROJECTS**

### ORGANVM Eight-Organ System — 103-Repository Data & Documentation Corpus
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. Includes ~810K+ words of "Docs as Code" infrastructure across 8 organizations.

### 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 documentation and outreach materials.

### 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 task decomposition.

### 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 how complex AI interactions 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).

**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.
- **System Reliability:** Built a corpus of 2,349+ tests across 94 active repositories, ensuring documentation accuracy through technical correctness and automated verification.
- **Tooling Orchestration:** Developed CLI pipeline tools using Python and YAML schema validation to automate technical research and content synthesis at 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. Mentoring students in technical rigor and translating complex architectural concepts into accessible educational content.

### Digital Marketing Manager         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 and $2M in fundraising 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)