

Anthony James Padavano

TECHNICAL WRITER (KIBANA VISUALIZATION & 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 documentation infrastructure and interactive developer tools. Architect of a 103-repository ecosystem governed by automated validation and ~810K+ words of documentation. Specialist in "Docs as Code" methodologies, Kibana visualizations, and translating deep technical "Cathedrals" into scannable, goal-oriented guidance. Expert in Markdown, Git-based docs workflows, and utilizing AI tools to accelerate technical understanding while ensuring production-grade accuracy. Full-Stack Developer (Meta). 18 years professional experience. MFA Creative Writing, LGBTQ+.

TECHNICAL SKILLS

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

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, automated documentation.

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) featuring data visualizations and D3.js layers.

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-enabled visualizations and interactions can be documented and made resilient.

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.

agentic-titan — Multi-Agent Orchestration & CLI Framework

TypeScript framework for orchestrating complex engineering tasks across autonomous agent swarms. Includes 18 development phases and 1,276 tests. Engineered for high-reliability tool invocation and transparent state management.

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 developers.
- **System Reliability:** Built a corpus of 2,349+ automated tests across 94 active repositories, ensuring documentation accuracy through technical correctness and automated verification.
- **Data Visualization:** Produced high-volume scannable technical content featuring interactive visualizations, translating deep systemic architecture into goal-oriented guides.

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 practitioners 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)