Anthony James Padavano

DX ENGINEER & TECHNICAL WRITER (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 technical infrastructure and scannable "Storefront" documentation. Creator and sole architect of a 103-repository metasystem across 8 GitHub organizations governed by automated validation, 94 CI/CD pipelines, and ~810K+ words of documentation. Specialist in "Docs as Code" methodologies and translating complex systemic work into delightful developer experiences. Focused on technical integrity, pedagogical clarity, and building the intuitive tools and narratives that define world-class developer adoption. Full-Stack Developer (Meta). MFA Creative Writing. LGBTQ+.

TECHNICAL SKILLS

Technical Writing · Markdown · GitHub · CI/CD · TypeScript · Node.js · React 18 · CLI Tooling · Zod · pytest · Vitest · YAML/JSON Schema · Astro 5 · Docker · Git · pnpm Monorepos · Python · 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 810K+ words of documentation. Governed by a formal promotion state machine and automated dependency validation. Features 128 GitHub Actions workflows representing the work's "metabolism." A live demonstration of how complex technical systems can be made scannable and delightful.

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 materials for public engagement and advocacy.

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.

agentic-titan — Multi-Agent Orchestration Framework

TypeScript framework for orchestrating complex engineering tasks across autonomous agent swarms. Includes 18 development phases and 1,276 tests. Engineered to explore the "AI-conductor" methodology as a future for collaborative creative labor and documentation.

Portfolio — Performance-Grade Documentation Site

Astro 5 site governed by a CI/CD "quality ratchet" that enforces strict validation standards. Represents the scannable "Storefront" for 42 published technical essays (~142K words) documenting the frontier of developer experience.

EXPERIENCE

Independent Software Engineer & DX Architect
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.
- **Infrastructure Reliability:** Built a corpus of 2,349+ automated tests across 94 active repositories, ensuring documentation accuracy through technical correctness and automated verification.
- **Technical Advocacy:** Documented "AI-conductor" methodology across 42 published essays, exploring the intersection of model capabilities and engineering rigor for the developer community.
- **Governance at Scale:** Orchestrated 128 GitHub Actions workflows built on 18 reusable templates to sustain institutional-scale production as a solo practitioner.

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)