Anthony James Padavano

TECHNICAL WRITER (DISTRIBUTED SYSTEMS & 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 distributed systems and developer infrastructure. Architect of a 103-repository ecosystem governed by automated validation, 94 CI/CD pipelines, and ~810K+ words of documentation. Specialist in "Docs as Code" and translating complex backend concepts—including retries, state management, and durable execution—into scannable, high-signal technical content. Focused on systemic reliability, technical rigor, and building peer-to-peer educational resources for the global developer community. Full-Stack Developer (Meta). 18 years professional experience. MFA Creative Writing. LGBTQ+.

TECHNICAL SKILLS

Technical Writing · Distributed Systems · Go · TypeScript · Python · CLI Tooling · GitHub Actions · CI/CD · Zod · pytest · Vitest · YAML/JSON Schema · Node.js · Docker · Git · pnpm Monorepos · GCP / Terraform · WebSocket · Redis · Nginx · D3.js · p5.js

SELECTED PROJECTS

ORGANVM Eight-Organ System — 103-Repository Developer 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. Includes ~810K+ words of "Docs as Code" infrastructure across 8 organizations. A live demonstration of durable, steerable orchestration at institutional scale.

Application Pipeline — Distributed Systems Documentation Suite
Python-based CLI suite for pipeline orchestration: 8-dimension scoring rubric and YAML-driven state machine. Automates complex research and content synthesis tasks, translating deep technical evidence into scannable storefront materials 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 task decomposition.

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 documented as part of the public process.

EXPERIENCE

Independent Software Engineer & Technical Writer
2020 — Present
- **Infrastructure as Narrative:** 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.
- **Distributed Systems Advocacy:** Documented "AI-conductor" methodology across 42 published essays (~142K words), exploring the intersection of model capabilities, durable state, and engineering rigor.
- **System Reliability:** Built a corpus of 2,349+ automated tests across 94 active repositories, ensuring documentation accuracy through technical correctness and automated verification.
- **Technical 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 community 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 the intersection of technical production and storytelling.

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)