

# Anthony James Padavano

## DX ENGINEER & TECHNICAL WRITER (DOCS AS CODE)

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LINKS	<a href="#">Portfolio</a> · <a href="#">GitHub</a> · <a href="#">agentic-titan</a> · <a href="#">ORGANVM System</a>	
PROFILE	Independent software engineer and veteran educator (11 years, 2,000 students) building production-grade infrastructure and "Docs as Code" documentation. Creator of a 103-repository metasytem across 8 GitHub organizations governed by 94 CI/CD pipelines and ~810K+ words of documentation. Specialist in translating complex backend concepts—including APIs, state management, and orchestration—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 · 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	<b>ORGANVM Eight-Organ System — 103-Repository "Docs as Code" Infrastructure</b> 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.	
	<b>agentic-titan — Multi-Agent Orchestration Framework</b> TypeScript framework for orchestrating multi-step engineering tasks across autonomous agents. 18 development phases, 1,276 tests. Exploring "AI-conductor" methodology for collaborative documentation.	
	<b>Application Pipeline — Systems Analysis &amp; Documentation Suite</b> 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 materials for public engagement.	
	<b>Classroom RPG Aetheria — AI-Native Learning Environment</b> 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.	
	<b>Portfolio — Performance-Grade Documentation Site</b> 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	<b>Independent Software Engineer &amp; DX Architect</b> 2020 — Present <ul style="list-style-type: none"><li><b>Docs as Code Infrastructure:</b> Designed 103-repository system with 94 CI/CD pipelines; documentation corpus of 810K+ words native to GitHub and Markdown, treating docs as first-class engineering artifacts.</li><li><b>Infrastructure Reliability:</b> Built 2,349+ automated tests across 94 repositories ensuring documentation accuracy through technical correctness and automated verification.</li><li><b>Technical Advocacy:</b> Authored 42 published essays (~142K words) on "AI-conductor" methodology, exploring the intersection of model capabilities and engineering rigor.</li><li><b>Governance at Scale:</b> Engineered 128 GitHub Actions workflows on 18 reusable templates across 8 organizations, producing high-volume scannable technical content for developers.</li></ul>	
	<b>Instructor — Composition, Writing &amp; Complex Systems</b> 2015 — Present <i>Miami Dade College, Keiser University, Nova Southeastern, FAU, Young Harris, Tarrant County, Broward, Palm Beach State</i> <ul style="list-style-type: none"><li>100+ courses across 8 institutions; 2,000+ students. Mentoring students in technical rigor and translating complex architectural concepts into accessible pedagogical content.</li></ul>	
	<b>Digital Marketing Manager &amp; Narrative Strategist</b> 2023 — 2024 <i>Miami Dade College Foundation (nonprofit)</i> <ul style="list-style-type: none"><li>Architected foundation website overhaul and campaign design, utilizing data analysis to drive a 32% increase in donor engagement.</li></ul>	
	<b>Multimedia Specialist</b> 2011 — 2020 <i>AJP Media Arts — clients incl. Boca Ballet Theatre, Forward Funding, Arts in Boca</i> <ul style="list-style-type: none"><li>Produced high-volume visual and narrative campaigns; generated 17.5M+ views through technical and creative production.</li></ul>	
	<b>EDUCATION</b>	
	<b>M.F.A. Creative Writing</b> , Florida Atlantic University	2015 — 2018
	<b>B.A. English Literature</b> , 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)	