

# Anthony James Padavano

SENIOR TECHNICAL WRITER (DATABASE EXPERIENCE & DOCS AS CODE)

New York City | 561-602-7300 | padavano.anthony@gmail.com

|  |   |             |
|--|---|-------------|
| LINKS  | Portfolio · <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 documentation corpuses. Creator of a 103-repository ecosystem across 8 GitHub organizations governed by 94 CI/CD pipelines and ~810K+ words of documentation. Specialist in "Docs as Code" and translating complex backend primitives—including distributed systems, Vector Search, and REST APIs—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 · Node.js · JavaScript · Go · Python · CLI Tooling · MongoDB Atlas · Vector Search · Zod · pytest · Vitest · YAML/JSON Schema · React 18 · Express · pnpm Monorepos · Docker · Git · GCP / Terraform · WebSocket · Redis · Nginx · D3.js · p5.js  |             |
| SELECTED PROJECTS  | <b>ORGANVM Eight-Organ System — 103-Repository "Docs as Code" Infrastructure</b><br>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>Application Pipeline — Systems Analysis &amp; Documentation Suite</b><br>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 documentation for public engagement.   |             |
|  | <b>agentic-titan — Multi-Agent Orchestration &amp; CLI Framework</b><br>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 state management.  |             |
|  | <b>Classroom RPG Aetheria — AI-Native Learning Environment</b><br>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><br>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; Technical Writer</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 artifacts.</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>Infrastructure Reliability:</b> Built 2,349+ automated tests across 94 repositories ensuring documentation accuracy through technical correctness and automated verification.</li><li><b>Systemic Storytelling:</b> Produced high-volume scannable technical content for developers, translating deep systemic architecture into accessible narrative entry points.</li></ul> |             |
|  | <b>Instructor — Composition, Writing &amp; Complex Systems</b> 2015 — Present<br><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<br><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<br><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)   |             |