

# Anthony James Padavano

TECHNICAL WRITER (KIBANA VISUALIZATION & 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 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 | <p><b>ORGANVM Eight-Organ System — 103-Repository "Docs as Code" Infrastructure</b><br/>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.</p> <p><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) featuring data visualizations and D3.js layers.</p> <p><b>Classroom RPG Aetheria — AI-Native Learning Environment</b><br/>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.</p> <p><b>Application Pipeline — Systems Analysis &amp; Documentation Suite</b><br/>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.</p> <p><b>agentic-titan — Multi-Agent Orchestration &amp; CLI Framework</b><br/>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.</p>   |  |
| EXPERIENCE        | <p><b>Independent Software Engineer &amp; Technical Writer</b> 2020 — Present</p> <ul style="list-style-type: none"><li>• <b>Docs as Code Infrastructure:</b> 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.</li><li>• <b>Technical Advocacy:</b> Documented "AI-conductor" methodology across 42 published essays (~142K words), exploring the intersection of model capabilities and engineering rigor for developers.</li><li>• <b>System Reliability:</b> Built a corpus of 2,349+ automated tests across 94 active repositories, ensuring documentation accuracy through technical correctness and automated verification.</li><li>• <b>Data Visualization:</b> Produced high-volume scannable technical content featuring interactive visualizations, translating deep systemic architecture into goal-oriented guides.</li></ul> <p><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></p> <ul style="list-style-type: none"><li>• 100+ courses across 8 institutions; 2,000+ students. Mentoring practitioners in technical rigor and translating complex architectural concepts into accessible pedagogical content.</li></ul> <p><b>Digital Marketing Manager &amp; Narrative Strategist</b> 2023 — 2024<br/><i>Miami Dade College Foundation (nonprofit)</i></p> <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> <p><b>Multimedia Specialist</b> 2011 — 2020<br/><i>AJP Media Arts — clients incl. Boca Ballet Theatre, Forward Funding, Arts in Boca</i></p> <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> |  |
| EDUCATION         | <p><b>M.F.A. Creative Writing</b>, Florida Atlantic University 2015 — 2018</p> <p><b>B.A. English Literature</b>, CUNY College of Staten Island 2010 — 2014</p>   |  |

**CERTIFICATIONS** Full-Stack Developer, Meta (2024) · UX Design, Google (2023) · Digital Marketing, Google (2023) · Project Management, Google (2023)