

# Anthony James Padavano

## CREATIVE TECHNOLOGIST & AI SYSTEMS BUILDER

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| LINKS             | <a href="#">Portfolio</a> · <a href="#">Omni-Dromenon Engine</a> · <a href="#">ORGANVM System</a> · <a href="#">GitHub</a>   |  |
| PROFILE           | Creative technologist building production-grade AI orchestration systems and open-source creative infrastructure. Creator and sole architect of a 103-repository system across 8 GitHub organizations — 21K code files, 3.6K tests, 94 CI/CD pipelines — all designed, tested, and documented using AI tools as compositional instruments. Builder of the Omni-Dromenon Engine, a real-time audience-participatory performance system. Full-Stack Developer (Meta). 18 years professional experience. MFA Creative Writing. 11 years college instruction, 2,000+ students. LGBTQ+.   |  |
| TECHNICAL SKILLS  | TypeScript · Python · React 18 · Node.js · Express · Socket.io · WebSocket · Claude Agent SDK · Docker · Redis · Nginx · GCP / Terraform · GitHub Actions · CI/CD · Vitest · pytest · Zod · YAML/JSON Schema · OSC · SuperCollider · Max/MSP · WebAudio · p5.js · WebGL · D3.js · Astro · Vite · pnpm Monorepos · Git  |  |
| SELECTED PROJECTS | <b>ORGANVM Eight-Organ System — 103-Repository Creative Infrastructure</b><br>8 GitHub organizations, 21K code files, 3.6K tests, 94 CI/CD pipelines. Automated dependency validation, promotion state machine, cross-org coordination. CLAUDE.md governance in every repo. 32 AI agent definitions. Single-practitioner production using AI as compositional instrument. TypeScript + Python.   |  |
|                   | <b>Omni-Dromenon Engine — Audience-Participatory Performance System</b><br>TypeScript pnpm monorepo: Express/Socket.io core with three-axis weighted consensus, React 18 performer/audience interfaces, OSC bridge to SuperCollider/Max/MSP, WebAudio synthesis. Five genre presets. 1,000+ concurrent participants, <2ms P95 latency. Docker/Redis/Nginx. Open-source MIT.  |  |
|                   | <b>Application Pipeline — CLI Tooling Suite</b><br>Python CLI tools: Greenhouse API client, 8-dimension scoring rubric, campaign orchestrator, YAML pipeline state machine, submission preflight, batch enrichment, velocity tracking. 14 independent scripts sharing a common library.  |  |
|                   | <b>Portfolio — Astro 5 Static Site with Generative Art</b><br>Real-time generative p5.js visual layer, D3.js data visualizations, Pagefind search, CMYK design system. 20 case studies. CI/CD with quality ratchet governance.   |  |
| EXPERIENCE        | <b>Independent Creative Technologist &amp; AI Systems Builder</b> 2020 — Present <ul style="list-style-type: none"><li><b>AI Orchestration:</b> 103-repository system with automated governance, 32 AI agent definitions, Claude Agent SDK integration, multi-agent coordination frameworks (agentic-titan: 1,276 tests).</li><li><b>Performance Technology:</b> Omni-Dromenon Engine — audience-participatory infrastructure with consensus algorithms, real-time audio synthesis bridge, genre-specific examples, Docker deployment.</li><li><b>Developer Tooling:</b> CLI pipeline tools (scoring, drafting, submission, campaign orchestration), Greenhouse API integration, YAML schema validation, batch processing.</li><li><b>CI/CD Infrastructure:</b> 128 GitHub Actions workflows (18 reusable templates), 94 CI/CD pipelines, automated dependency validation across 8 GitHub organizations.</li></ul> |  |
|                   | <b>Instructor — Composition &amp; Writing</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. Technical communication, documentation, and systems-thinking pedagogy.</li></ul>  |  |
|                   | <b>Digital Marketing Manager</b> 2023 — 2024<br><i>Miami Dade College Foundation (nonprofit)</i> <ul style="list-style-type: none"><li>Rebuilt foundation website; designed fundraising campaigns increasing donor engagement by 32%.</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>Video, audio, and visual campaigns for nonprofits and arts organizations; 17.5M+ views, \$2M in fundraising.</li></ul>  |  |
| EDUCATION         | <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)  |  |