

# ***Anthony James Padavano***

## FULL-STACK DEVELOPER EXPERIENCE ENGINEER

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| <b>LINKS</b>             | <a href="#">Portfolio</a> · <a href="#">GitHub</a> · <a href="#">agentic-titan</a> · <a href="#">ORGANVM System</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>PROFILE</b>           | Full-stack engineer building developer-facing infrastructure in TypeScript and Python – CLI tooling suites, API integration layers, CI/CD automation, and quality governance systems. Creator and sole architect of a 103-repository system across 8 GitHub organizations: 21K code files, 3.6K tests, 94 CI/CD pipelines, 128 GitHub Actions workflows (18 reusable templates), governed by CLAUDE.md files and automated validation. Built a 14-script Python CLI pipeline with Greenhouse API client, YAML state machines, and batch processing. Full-stack frontend work includes an Astro 5 site with p5.js generative canvas, D3.js data visualization, and Pagefind search. Full-Stack Developer (Meta). 18 years professional experience. MFA Creative Writing. 11 years college instruction, 2,000+ students. LGBTQ+.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>TECHNICAL SKILLS</b>  | TypeScript · Python · React 18 · Node.js · Express · Zod · CI/CD · GitHub Actions · CLI Tooling · Docker · Git · Vitest · pytest · ruff · YAML/JSON Schema · Astro · Vite · pnpm Monorepos · p5.js · D3.js · Claude Agent SDK · WebSocket · Redis · Nginx · GCP / Terraform                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SELECTED PROJECTS</b> | <b>ORGANVM Eight-Organ System — 103-Repository Developer Infrastructure</b><br>8 GitHub organizations, 21K code files, 3.6K tests, 94 CI/CD pipelines. 128 GitHub Actions workflows (18 reusable templates). CLAUDE.md governance in every repo. Automated dependency validation with 43 validated edges and zero circular dependencies. Promotion state machine (LOCAL → CANDIDATE → PUBLIC → GRADUATED). Cross-org quality gates and consistency enforcement. TypeScript + Python.<br><b>Application Pipeline — Full-Stack CLI Tooling Suite</b><br>14 independent Python CLI scripts sharing a common library (pipeline_lib.py). Greenhouse API client for form submission. YAML pipeline state machine with forward-only validation. 8-dimension scoring rubric, campaign orchestrator, submission preflight, batch enrichment, velocity tracking. Consistent CLI patterns: --target, --dry-run, --yes, --batch.<br><b>Portfolio — Astro 5 Full-Stack Site</b><br>Generative p5.js visual layer, D3.js data visualizations, Pagefind search indexing, 20 case studies. Design system built on CSS custom properties. CI/CD with quality ratchet governance – policy JSONs enforced by automated test assertions.<br><b>agentic-titan — Multi-Agent Orchestration System</b><br>TypeScript multi-agent framework: 18 development phases, 1,276 tests. Agent coordination, task decomposition, and parallel execution patterns. Structured for extensibility and reliability.<br><b>agent--claude-smith — Claude Agent SDK Integration</b><br>TypeScript agent built on Claude Agent SDK with session persistence, self-correction hooks, and structured tool invocation. Designed for autonomous multi-step software engineering tasks.                                                                           |
| <b>EXPERIENCE</b>        | <b>Independent Software Engineer &amp; Developer Tools Builder</b> 2020 – Present <ul style="list-style-type: none"><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><li>• <b>Developer Tooling:</b> CLI pipeline tools (scoring, drafting, submission, campaign orchestration), Greenhouse API integration, YAML schema validation, batch processing.</li><li>• <b>AI-Conductor Methodology:</b> Designed 103-repository system governed by CLAUDE.md files, AI agent definitions, and automated validation – human directs, AI generates, human reviews.</li><li>• <b>LLM Orchestration:</b> Multi-agent systems with Claude Agent SDK (agent--claude-smith), agentic-titan framework (1,276 tests), structured tool invocation and self-correction.</li></ul><br><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. Clear technical communication, documentation, and mentoring.</li></ul><br><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 campaigns increasing donor engagement by 32%.</li></ul><br><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> |
| <b>EDUCATION</b>         | <b>M.F.A. Creative Writing</b> , Florida Atlantic University 2015 – 2018<br><b>B.A. English Literature</b> , CUNY College of Staten Island 2010 – 2014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>CERTIFICATIONS</b>    | Full-Stack Developer, Meta (2024) · UX Design, Google (2023) · Digital Marketing, Google (2023) · Project Management, Google (2023)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |