

Anthony James Padavano

APPLIED AI & INFRASTRUCTURE ENGINEER

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LINKS	Portfolio · GitHub · agentic-titan · ORGANVM System	
PROFILE	Infrastructure engineer building deployment automation, governance systems, and validated CI/CD pipelines in Python and TypeScript. Sole architect of a 103-repo system across 8 GitHub orgs — 21K files, 3.6K tests, 94 pipelines; governance-rules.json and CLAUDE.md compliance enforced on every merge. AI-conductor methodology with structured human review gates. Full-Stack Developer (Meta). 18 yrs experience. MFA. 2,000+ students taught. LGBTQ+.	
TECHNICAL SKILLS	Python · TypeScript · Docker · CI/CD · GitHub Actions · GCP / Terraform · Infrastructure Automation · Schema Validation · YAML/JSON Schema · Node.js · CLI Tooling · Git · Zod · Claude Agent SDK · pytest · Vitest · ruff · Nginx · Redis · Express · React 18 · pnpm Monorepos · WebSocket	
SELECTED PROJECTS	<p>ORGANVM Eight-Organ System — 103-Repository Governed Infrastructure 8 GitHub orgs; 21K files, 3.6K tests, 94 pipelines, 128 Actions workflows (18 reusable). governance-rules.json constitutional constraints on every merge; forward-only promotion state machine; cross-org schema validation. TS + Python.</p> <p>Application Pipeline — Validated Deployment Workflow System 14 Python CLI scripts; schema-validated YAML state machine with forward-only progression, preflight gates, audit-logged submissions. Greenhouse API client; 8-dimension scoring; batch enrichment with dry-run previews.</p> <p>agentic-titan — Multi-Agent Orchestration Framework TypeScript multi-agent framework; 18 phases, 1,276 tests. Agent coordination, task decomposition, fault tolerance, parallel execution.</p> <p>agent--claude-smith — Claude Agent SDK Integration Claude Agent SDK; session persistence, self-correction hooks, 1Password secrets, Zod validation. Structured tool invocation with audit trails.</p> <p>Portfolio — Astro 5 Static Site with Quality Governance Astro 5 static site; CI/CD quality ratchet with committed policy JSONs. Build verification, a11y testing, deploy gates gated on upstream quality success.</p>	
EXPERIENCE	<p>Independent Software Engineer & Infrastructure Builder 2020 — Present</p> <ul style="list-style-type: none">CI/CD Infrastructure: 128 Actions workflows (18 reusable), 94 pipelines across 8 orgs. Deploy gates, quality ratchets, promotion state machines.Governance & Compliance: 103-repo system governed by CLAUDE.md files and governance-rules.json; every merge validated against org policy via automated schema checks.Deployment Automation: CLI pipeline tools (scoring, preflight, submission, campaign); Greenhouse API; YAML schema validation with forward-only state enforcement; audit-logged batch processing.LLM Orchestration: Multi-agent systems via Claude Agent SDK (agent--claude-smith) and agentic-titan (1,276 tests, 18 phases); structured tool invocation; human-in-the-loop review. <p>Instructor — Composition & Writing 2015 — Present <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">100+ courses, 8 institutions, 2,000+ students. Curriculum design; structured assessment; technical documentation; cross-institutional stakeholder communication. <p>Digital Marketing Manager 2023 — 2024 <i>Miami Dade College Foundation (nonprofit)</i></p> <ul style="list-style-type: none">Rebuilt foundation website; campaigns increased donor engagement 32%. <p>Multimedia Specialist 2011 — 2020 <i>AJP Media Arts — clients incl. Boca Ballet Theatre, Forward Funding, Arts in Boca</i></p> <ul style="list-style-type: none">Video, audio, and visual campaigns for nonprofits and arts organizations; 17.5M+ views, \$2M in fundraising.	
EDUCATION	<p>M.F.A. Creative Writing, Florida Atlantic University 2015 — 2018</p> <p>B.A. English Literature, 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)	