

Anthony James Padavano

STAFF DEVELOPER ADVOCATE (PLATFORM ENGINEERING & DISTRIBUTED SYSTEMS)

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LINKS	Portfolio · GitHub · agentic-titan · ORGANVM System	
PROFILE	<p>Independent engineer and systems architect building production-grade platform infrastructure and multi-agent orchestration systems in TypeScript and Python. Creator of a 103-repository ecosystem governed by automated validation, 94 CI/CD pipelines, and 2,349+ tests. Specialist in "solo production at institutional scale," architecting self-service platforms that bridge the gap between agentic model capabilities and reliable engineering infrastructure. Expert in Infrastructure-as-Code, distributed state management, and translating complex technical architecture into scannable narrative "Storefronts." Full-Stack Developer (Meta). 18 years professional experience. MFA Creative Writing. LGBTQ+.</p>	
TECHNICAL SKILLS	Distributed Systems · Platform Engineering · Kubernetes · TypeScript · Go · Infrastructure as Code · CI/CD · GitHub Actions · Claude Agent SDK · Zod · pytest · Vitest · YAML/JSON Schema · Node.js · Docker · Git · pnpm Monorepos · GCP / Terraform · WebSocket · Redis · Nginx · D3.js · p5.js	
SELECTED PROJECTS	ORGANVM Eight-Organ System — 103-Repository Platform Infrastructure A unified technical corpus encompassing 21K code files and 3.6K tests across 8 organizations. Governed by a formal promotion state machine and automated dependency validation (43 edges). Features 128 GitHub Actions workflows built on 18 reusable templates. A live demonstration of self-service, durable orchestration at scale.	
	agentic-titan — Multi-Agent Orchestration & CLI Framework 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, task decomposition, and cross-platform execution.	
	agent--claude-smith — Claude Agent SDK Reliability Layer Advanced agent implementation built on Claude Agent SDK. Features session persistence, self-correction hooks, and structured tool invocation designed to understand and mitigate model capability gaps in complex engineering workflows.	
	Application Pipeline — Systems Analysis Tooling Suite Python-based CLI suite for pipeline orchestration: 8-dimension scoring rubric, campaign management, and YAML-driven state machine. Automates intake, research, and synthesis tasks via a shared library of infrastructure scripts.	
	Portfolio — Performance-Grade Static Site Astro 5 site with generative p5.js visualization layers. Governed by a CI/CD "quality ratchet" that enforces strict validation and testing standards. Represents the scannable "Storefront" for deep systemic work.	
EXPERIENCE	Independent Software Engineer & Platform Architect 2020 — Present <ul style="list-style-type: none">Infrastructure Reliability: Built a corpus of 2,349+ automated tests across 94 active repositories, ensuring correctness in complex, cross-organizational developer tooling.Platform Advocacy: Documented "AI-conductor" methodology across 42 published essays (~142K words), exploring where orchestration tools excel and where reliability gaps create friction.Golden Path Governance: Designed a 103-repo system with automated dependency graph validation (43 edges) and a formal promotion state machine (LOCAL → CANDIDATE → PUBLIC → GRADUATED).CI/CD Orchestration: Orchestrated 128 GitHub Actions workflows using 18 reusable templates to maintain production reliability across 8 independent organizations.	
	Instructor — Writing & Complex Systems 2015 — Present <i>Miami Dade College, Keiser University, Nova Southeastern, FAU, Young Harris, Tarrant County, Broward, Palm Beach State</i> <ul style="list-style-type: none">100+ courses across 8 institutions; 2,000+ students. Translating complex technical concepts into accessible documentation and mentoring junior developers in technical rigor.	
	Digital Marketing Manager & Narrative Strategist 2023 — 2024 <i>Miami Dade College Foundation (nonprofit)</i> <ul style="list-style-type: none">Architected foundation website overhaul and campaign design, utilizing data analysis to drive a 32% increase in donor engagement.	
	Multimedia Specialist 2011 — 2020 <i>AJP Media Arts — clients incl. Boca Ballet Theatre, Forward Funding, Arts in Boca</i> <ul style="list-style-type: none">Produced high-volume visual and narrative campaigns; generated 17.5M+ views through technical and creative production.	
	M.F.A. Creative Writing , Florida Atlantic University 2015 — 2018 B.A. English Literature , 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)