

Anthony James Padavano

STAFF SOFTWARE ENGINEER (PLATFORM PRIMITIVES & TOOLBOX)

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LINKS	Portfolio · GitHub · agentic-titan · ORGANVM System	
PROFILE	Independent software engineer and systems architect building production-grade platform infrastructure, multi-agent orchestration frameworks, and composable developer primitives. Creator and sole architect of a 103-repository ecosystem across 8 GitHub organizations governed by automated validation, 94 CI/CD pipelines, and 2,349+ tests. Specialist in architecting secure, reliable "Toolbox" infrastructures—including MCP servers and multi-agent orchestration layers—designed to accelerate frontier product development. Expert in "solo production at institutional scale," utilizing an "AI-conductor" methodology to maintain deep, recursive systemic architectures while ensuring high-signal, scannable entry points. Full-Stack Developer (Meta). 18 years professional experience. MFA Creative Writing, LGBTQ+.	
TECHNICAL SKILLS	TypeScript · Node.js · React 18 · Claude Agent SDK · MCP (Model Context Protocol) · CLI Tooling · GitHub Actions · CI/CD · Zod · pytest · Vitest · YAML/JSON Schema · Docker · Git · pnpm Monorepos · Python · GCP / Terraform · WebSocket · Redis · Nginx · D3.js · p5.js	
SELECTED PROJECTS	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 composable platform primitives.	
	ORGANVM Eight-Organ System — 103-Repository Developer 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. Features 128 GitHub Actions workflows built on 18 reusable templates. A live demonstration of how institutional-scale platform foundations can be orchestrated by a solo practitioner.	
	agent--claude-smith — Claude Agent SDK Reliability Layer	
EXPERIENCE	Advanced agent implementation built on Claude Agent SDK. Features session persistence, self-correction hooks, and structured tool invocation designed to connect Claude to external services via secure MCP infrastructure.	
	Application Pipeline — Systems Analysis Tooling Suite	
	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 primitives.	
	Portfolio — Performance-Grade Documentation Site	
	Astro 5 site governed by a CI/CD "quality ratchet" that enforces strict validation and testing standards. Represents the scannable "Storefront" for deep systemic infrastructure work and platform vision.	
EXPERIENCE	Independent Software Engineer & Platform Architect 2020 — Present	
	<ul style="list-style-type: none">Infrastructure Reliability: Built a corpus of 2,349+ tests across 94 active repositories, ensuring correctness in complex, cross-organizational platform primitives and agentic systems.Composable Orchestration: Designed CLI pipeline tools using Python and YAML schema validation; optimized for building composable components that accelerate feature delivery.AI-Native Automation: Developed multi-agent frameworks using the Claude Agent SDK featuring structured tool invocation and self-correction protocols for autonomous engineering.Governance at Scale: Orchestrated 128 GitHub Actions workflows built on 18 reusable templates to maintain production reliability and minimize architectural friction across 8 independent organizations.	
	Instructor — Composition, 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 and architectural requirements into accessible documentation and mentoring junior developers in technical rigor.	
	Digital Marketing Manager & Narrative Strategist 2023 — 2024	
EDUCATION	<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 through technical execution.	
	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 the intersection of technical production and storytelling.	
	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)