

Anthony James Padavano

FULL-STACK APPLIED AI SYSTEMS ENGINEER

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LINKS	Portfolio · GitHub · agentic-titan · ORGANVM System	
PROFILE	Applied AI engineer building multi-agent orchestration systems, LLM-integrated pipelines, and full-stack infrastructure in TypeScript and Python. Creator of agentic-titan (1,095 tests, 18 development phases) — a multi-agent framework for structured task delegation, error recovery, and result synthesis. Built agent--claude-smith on the Claude Agent SDK with session persistence and self-correction hooks. Sole architect of a 103-repository system across 8 GitHub organizations — 21K code files, 3.6K tests, 94 CI/CD pipelines, governed by CLAUDE.md files and 32 AI agent definitions. Practitioner of an AI-conductor methodology where human intelligence directs AI-generated volume through structured review. Full-Stack Developer (Meta). 18 years professional experience. MFA Creative Writing. 11 years college instruction, 2,000+ students. LGBTQ+.	
TECHNICAL SKILLS	Claude Agent SDK · Python · TypeScript · React 18 · Node.js · YAML/JSON Schema · CLI Tooling · GitHub Actions · CI/CD · Docker · Git · Zod · Vitest · pytest · ruff · Express · Astro · Vite · pnpm Monorepos · WebSocket · Redis · p5.js · D3.js · Nginx · GCP / Terraform	
SELECTED PROJECTS	agentic-titan — Multi-Agent Orchestration Framework TypeScript multi-agent framework: 18 development phases, 1,276 tests. Agent coordination, task decomposition, parallel execution, error recovery, and result synthesis. Treats AI as a system of collaborating agents that must be orchestrated, monitored, and gracefully degraded. Structured for extensibility and reliability.	
	agent--claude-smith — Claude Agent SDK Integration 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 with recoverable failure handling.	
	Application Pipeline — AI-Integrated CLI Tooling Suite 14-script Python CLI system orchestrating LLM-assisted research, identity mapping, content synthesis, and API submission. YAML pipeline state machine, Greenhouse and Ashby API clients, 8-dimension scoring rubric, campaign orchestrator, batch enrichment, velocity tracking. AI outputs as structured inputs to downstream pipeline stages with validation and audit logging.	
	ORGANVM Eight-Organ System — 103-Repository Developer Infrastructure 8 GitHub organizations, 21K code files, 3.6K tests, 94 CI/CD pipelines. CLAUDE.md governance in every repo. 32 AI agent definitions. 128 GitHub Actions workflows (18 reusable templates). Automated dependency validation, promotion state machine (LOCAL → CANDIDATE → PUBLIC → GRADUATED), cross-org coordination. TypeScript + Python.	
	Portfolio — Astro 5 Static Site Generative p5.js visual layer, D3.js data visualizations, Pagefind search, 20 case studies. CI/CD with quality ratchet governance.	
EXPERIENCE	Independent Software Engineer & Applied AI Systems Builder 2020 — Present <ul style="list-style-type: none">LLM Orchestration: Multi-agent systems with Claude Agent SDK (agent--claude-smith), agentic-titan framework (1,276 tests), structured tool invocation and self-correction.AI-Conductor Methodology: Designed 103-repository system governed by CLAUDE.md files, AI agent definitions, and automated validation — human directs, AI generates, human reviews.Developer Tooling: CLI pipeline tools (scoring, drafting, submission, campaign orchestration), Greenhouse API integration, YAML schema validation, batch processing.CI/CD Infrastructure: 128 GitHub Actions workflows (18 reusable templates), 94 CI/CD pipelines, automated dependency validation across 8 GitHub organizations.	
	Instructor — Composition & Writing 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. Clear technical communication, documentation, and mentoring.	
	Digital Marketing Manager 2023 — 2024 <i>Miami Dade College Foundation (nonprofit)</i> <ul style="list-style-type: none">Rebuilt foundation website; designed campaigns increasing donor engagement by 32%.	
	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">Video, audio, and visual campaigns for nonprofits and arts organizations; 17.5M+ views, \$2M in fundraising.	
	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)	