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
- **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
Miami Dade College, Keiser University, Nova Southeastern, FAU, Young Harris, Tarrant County, Broward, Palm Beach State
- 100+ courses across 8 institutions; 2,000+ students. Clear technical communication, documentation, and mentoring.

Digital Marketing Manager
2023 — 2024
Miami Dade College Foundation (nonprofit)
- Rebuilt foundation website; designed campaigns increasing donor engagement by 32%.

Multimedia Specialist
2011 — 2020
AJP Media Arts — clients incl. Boca Ballet Theatre, Forward Funding, Arts in Boca
- Video, audio, and visual campaigns for nonprofits and arts organizations; 17.5M+ views, $2M in fundraising.

EDUCATION

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)