Anthony James Padavano

AI MODELS ENGINEER & DEVELOPER ADVOCATE

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LINKS

Portfolio · GitHub · agentic-titan · ORGANVM System

PROFILE

AI model integration engineer and technical communicator building multi-agent orchestration systems, MCP server infrastructure, and developer tooling in Python and TypeScript. Creator of a 103-repository system across 8 GitHub organizations — 21K code files, 3.6K tests, 94 CI/CD pipelines — with 810K+ words of published technical documentation and 42 essays on AI-conductor methodology. Built Claude Agent SDK integrations, agentic orchestration frameworks, and structured tool invocation pipelines. Full-Stack Developer (Meta). 11 years college instruction, 2,000+ students. MFA Creative Writing. 18 years professional experience. LGBTQ+.

TECHNICAL SKILLS

Claude Agent SDK · Python · TypeScript · Docker · Node.js · CI/CD · GitHub Actions · Technical Documentation · CLI Tooling · YAML/JSON Schema · Git · Vitest · pytest · React 18 · Zod · Astro · Vite · pnpm Monorepos · WebSocket · GCP / Terraform · Nginx

SELECTED PROJECTS

agentic-titan — Multi-Agent AI Orchestration Framework
TypeScript multi-agent framework coordinating multiple AI model calls through structured task delegation, error handling, and result synthesis. 18 development phases, 1,276 tests. Agent coordination, task decomposition, and parallel execution patterns. Designed for extensibility and reliable model integration.

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. Demonstrates model API integration with clean developer-facing interfaces.

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 — structured onboarding documents with architecture notes, build commands, and dependency declarations. 32 AI agent definitions. 128 GitHub Actions workflows (18 reusable templates). Automated dependency validation, promotion state machine, cross-org coordination. TypeScript + Python.

Application Pipeline — CLI Tooling Suite
Python CLI tools: Greenhouse API client, 8-dimension scoring rubric, campaign orchestrator, YAML pipeline state machine, submission preflight, batch enrichment, velocity tracking. 14 independent scripts sharing a common library.

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 & Developer Tools Builder   2020 — Present
- **LLM Orchestration:** Multi-agent systems with Claude Agent SDK (agent--claude-smith), agentic-titan framework (1,276 tests), structured tool invocation, self-correction, and MCP server infrastructure for model integration.
- **Developer Tooling:** CLI pipeline tools (scoring, drafting, submission, campaign orchestration), Greenhouse API integration, YAML schema validation, batch processing. 810K+ words of technical documentation and 42 published essays on AI-conductor methodology.
- **CI/CD Infrastructure:** 128 GitHub Actions workflows (18 reusable templates), 94 CI/CD pipelines, automated dependency validation across 8 GitHub organizations.
- **AI-Conductor Methodology:** Designed 103-repository system governed by CLAUDE.md files, AI agent definitions, and automated validation — human directs, AI generates, human reviews. Methodology documented transparently for developer consumption.

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. Explaining complex concepts at varying skill levels, creating learning progressions, and delivering clear technical communication.

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)