

# Anthony James Padavano

## SOFTWARE ENGINEER, AGENT SDK & ORCHESTRATION

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LINKS	<a href="#">Portfolio</a> · <a href="#">GitHub</a> · <a href="#">agentic-titan</a> · <a href="#">ORGANVM System</a>	
PROFILE	Software engineer building multi-agent orchestration systems, SDK integrations, and autonomous engineering tools in TypeScript and Python. Creator of agent--claude-smith (Claude Agent SDK with session persistence and self-correction) and agentic-titan (1,276 tests, 18 development phases). Architect of a 103-repository system governed by 32 AI agent definitions, CLAUDE.md files, and automated validation across 8 GitHub organizations. Practitioner of an AI-conductor methodology: human directs, AI generates, human reviews. Full-Stack Developer (Meta). 18 years professional experience. LGBTQ+.	
TECHNICAL SKILLS	TypeScript · Claude Agent SDK · Python · Node.js · CLI Tooling · Zod · YAML/JSON Schema · GitHub Actions · CI/CD · Docker · Git · Vitest · pytest · ruff · Express · React 18 · WebSocket · pnpm Monorepos · Vite · Redis · GCP / Terraform	
SELECTED PROJECTS	<b>agent--claude-smith — Claude Agent SDK Integration</b> 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 reliable error recovery and context management.	
	<b>agentic-titan — Multi-Agent Orchestration System</b> TypeScript multi-agent framework: 18 development phases, 1,276 tests. Agent coordination, task decomposition, parallel execution, and structured tool invocation patterns. Engineered for high-reliability autonomous workflows.	
	<b>ORGANVM Eight-Organ System — 103-Repository Infrastructure</b> 8 GitHub organizations, 21K code files, 3.6K tests. 32 AI agent definitions with CLAUDE.md governance in every repo. Automated dependency validation (43 edges, 0 violations), promotion state machine, and cross-org coordination.	
	<b>Application Pipeline — CLI Tooling Suite</b> Python CLI tools: Greenhouse API client, 8-dimension scoring rubric, campaign orchestrator, YAML pipeline state machine, submission preflight, batch enrichment. 14 scripts sharing a common library.	
	<b>Portfolio — Astro 5 Static Site</b> Generative p5.js visual layer, D3.js data visualizations, Pagefind search, 20 case studies. CI/CD with quality ratchet governance.	
EXPERIENCE	<b>Independent Software Engineer &amp; Agent Systems Builder</b> 2020 — Present <ul style="list-style-type: none"><li><b>LLM Agent Orchestration:</b> Built multi-agent systems with Claude Agent SDK (agent--claude-smith) and agentic-titan framework (1,276 tests) — session persistence, self-correction hooks, structured tool invocation, task decomposition.</li><li><b>AI-Conductor Methodology:</b> Designed 103-repository system governed by 32 AI agent definitions and CLAUDE.md files — human directs, AI generates, human reviews.</li><li><b>Developer Tooling:</b> CLI pipeline tools (scoring, drafting, submission, campaign orchestration), Greenhouse API integration, YAML schema validation, batch processing.</li><li><b>CI/CD Infrastructure:</b> 128 GitHub Actions workflows (18 reusable templates), 94 CI/CD pipelines, automated dependency validation across 8 GitHub organizations.</li></ul>	
	<b>Instructor — Composition &amp; Writing</b> 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"><li>100+ courses across 8 institutions; 2,000+ students. Clear technical communication, documentation, and mentoring.</li></ul>	
	<b>Digital Marketing Manager</b> 2023 — 2024 <i>Miami Dade College Foundation (nonprofit)</i> <ul style="list-style-type: none"><li>Rebuilt foundation website; designed campaigns increasing donor engagement by 32%.</li></ul>	
	<b>Multimedia Specialist</b> 2011 — 2020 <i>AJP Media Arts — clients incl. Boca Ballet Theatre, Forward Funding, Arts in Boca</i> <ul style="list-style-type: none"><li>Video, audio, and visual campaigns for nonprofits and arts organizations; 17.5M+ views, \$2M in fundraising.</li></ul>	
	<b>EDUCATION</b> <b>M.F.A. Creative Writing</b> , Florida Atlantic University 2015 — 2018 <b>B.A. English Literature</b> , 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)	