

Anthony James Padavano

CLIENT INFRASTRUCTURE & CLI SYSTEMS ENGINEER

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LINKS	Portfolio · GitHub · agentic-titan · ORGANVM System	
PROFILE	Software engineer building client-side infrastructure, CLI tooling, and local service layers in TypeScript and Python. Creator and sole architect of a 103-repository system across 8 GitHub organizations — including MCP servers running as persistent local services via LaunchAgent, a 14-script Python CLI pipeline with API integrations and YAML state machines, and a multi-agent orchestration framework with 1,095 tests. 21K code files, 3.6K tests, 94 CI/CD pipelines, governed by CLAUDE.md files and 32 AI agent definitions. Full-Stack Developer (Meta). 18 years professional experience. MFA Creative Writing. 11 years college instruction, 2,000+ students. LGBTQ+.	
TECHNICAL SKILLS	TypeScript · Node.js · CLI Tooling · Docker · Python · Claude Agent SDK · GitHub Actions · CI/CD · Git · YAML/JSON Schema · React 18 · Express · Zod · Vitest · pytest · ruff · pnpm Monorepos · WebSocket · Vite · Astro · GCP / Terraform · Redis · Nginx	
SELECTED PROJECTS	Application Pipeline — CLI Tooling Suite Python CLI client infrastructure: 14 independent scripts sharing a common library, YAML pipeline state machine, Greenhouse and Ashby API clients, 8-dimension scoring rubric, campaign orchestrator, submission preflight, batch enrichment, velocity tracking. End-to-end orchestration from research through identity mapping, content synthesis, and portal submission.	
	MCP Server Infrastructure — Local Service Layer Node.js client-side service layer providing filesystem access, persistent memory, and sequential reasoning to AI development tools. Runs as a macOS LaunchAgent, exposes health-check endpoints, mediates between local state and remote services. Structured logging and unsupervised reliability.	
	agentic-titan — Multi-Agent Orchestration System TypeScript multi-agent framework: 18 development phases, 1,276 tests. Agent coordination, task decomposition, structured tool invocation, and parallel execution patterns. Client-side orchestration designed 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 running on the developer's machine.	
	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. 128 GitHub Actions workflows (18 reusable templates). Automated dependency validation, promotion state machine (LOCAL → CANDIDATE → PUBLIC → GRADUATED), cross-org coordination. TypeScript + Python.	
EXPERIENCE	Independent Software Engineer & Developer Tools Builder 2020 — Present <ul style="list-style-type: none">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.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.	
	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.	
	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)	