

Anthony James Padavano

APPLIED AI ENGINEER & SYSTEMS BUILDER

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| LINKS | Portfolio · GitHub · agentic-titan · ORGANVM System | |
| PROFILE | Applied AI engineer building agentic systems, LLM-integrated pipelines, and automated infrastructure with Claude daily in TypeScript and Python. Sole architect of 103 repos across 8 GitHub orgs — 21K files, 3.6K tests, 94 CI/CD pipelines, governed by CLAUDE.md and 32 AI agent definitions. AI-conductor methodology: human directs, AI generates, human reviews with safety constraints. Full-Stack Developer (Meta). 18 yrs experience. MFA. 2,000+ students taught. LGBTQ+. | |
| TECHNICAL SKILLS | Claude API · Claude Agent SDK · LLM Integration · Python · TypeScript · Node.js · CLI Tooling · Docker · GitHub Actions · CI/CD · YAML/JSON Schema · Zod · Git · Vitest · pytest · ruff · GCP / Terraform · Redis · Express · React 18 · WebSocket | |
| SELECTED PROJECTS | agent--claude-smith — Claude Agent SDK Deployment TypeScript agent on Claude Agent SDK; session persistence, self-correction hooks, structured tool invocation. Autonomous multi-step engineering tasks via agentic orchestration. | |
| | agentic-titan — Multi-Agent Orchestration Framework TypeScript multi-agent framework; 18 phases, 1,276 tests. Agent coordination, task decomposition, fault tolerance, parallel execution. | |
| | Application Pipeline — AI-Integrated Workflow Automation Python CLI suite: Greenhouse API client, AI-driven scoring, campaign orchestrator, YAML state machine, preflight, batch enrichment, velocity tracking. 14 scripts; common library. | |
| | ORGANVM Eight-Organ System — 103-Repository AI-Governed Infrastructure 8 GitHub orgs; 21K files, 3.6K tests, 94 CI/CD pipelines. CLAUDE.md governance + 32 AI agent definitions. Promotion state machine, dependency validation, 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 Builder 2020 — Present <ul style="list-style-type: none">Claude Agent Systems: Built agent--claude-smith (Claude Agent SDK; session persistence, self-correction, tool invocation) and agentic-titan (1,276 tests, 18 phases) — production LLM deployment patterns.AI-Governed Infrastructure: 103-repo system governed by CLAUDE.md + 32 AI agent definitions; safety constraints in governance-rules.json enforced on every merge.AI-Integrated Tooling: Python CLI: AI scoring, drafting, campaign orchestration; Greenhouse API, YAML validation, batch processing.CI/CD: 128 GitHub Actions workflows (18 reusable), 94 pipelines, automated dependency validation across 8 orgs. | |
| | 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, 8 institutions, 2,000+ students. Technical communication and structured mentoring for diverse audiences. | |
| | Digital Marketing Manager 2023 — 2024 <i>Miami Dade College Foundation (nonprofit)</i> <ul style="list-style-type: none">Rebuilt website; campaigns increased donor engagement 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) | |