

Anthony James Padavano

SOFTWARE ENGINEER, DEVELOPER EXPERIENCE

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| LINKS | Portfolio · GitHub · agentic-titan · ORGANVM System | |
| PROFILE | Software engineer focused on developer experience, AI-assisted coding tools, and multi-agent orchestration in TypeScript and Python. Architect of a 103-repository system governed by CLAUDE.md files and 32 AI agent definitions — a developer environment spanning 21K code files, 3.6K tests, and 94 CI/CD pipelines designed for AI-augmented engineering workflows. Builder of Claude Agent SDK integrations with structured tool invocation and self-correction patterns. Heavy daily user of AI coding tools. Full-Stack Developer (Meta). 18 years professional experience. LGBTQ+. | |
| TECHNICAL SKILLS | TypeScript · Python · Node.js · CLI Tooling · Claude Agent SDK · React 18 · Vite · Vitest · Zod · GitHub Actions · CI/CD · Git · Docker · Express · YAML/JSON Schema · pytest · ruff · pnpm Monorepos · Astro · WebSocket · Redis · GCP / Terraform | |
| SELECTED PROJECTS | ORGANVM Eight-Organ System — 103-Repository Developer Infrastructure A unified developer environment across 8 GitHub organizations: 21K code files, 3.6K tests, 94 CI/CD pipelines. CLAUDE.md governance in every repo enables AI agents to navigate, build, and test autonomously. 128 GitHub Actions workflows (18 reusable templates). | |
| | agentic-titan — Multi-Agent Orchestration System TypeScript multi-agent framework: 18 development phases, 1,276 tests. Agent coordination, task decomposition, parallel execution, and structured tool invocation patterns for AI-augmented development workflows. | |
| | 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. | |
| | Application Pipeline — CLI Tooling Suite Python CLI tools: 14 independent scripts sharing a common library. Greenhouse API client, YAML pipeline state machine, scoring rubric, campaign orchestrator, submission preflight, batch enrichment. | |
| | 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 <ul style="list-style-type: none">AI-Conductor Methodology: Designed 103-repository system governed by CLAUDE.md files and 32 AI agent definitions — every repo structured for AI agents to read, navigate, build, and test autonomously.Developer Tooling: CLI pipeline tools (scoring, drafting, submission, campaign orchestration), Greenhouse API integration, YAML schema validation, batch processing — 14 scripts sharing a common library.LLM Orchestration: Multi-agent systems with Claude Agent SDK (agent--claude-smith) and agentic-titan framework (1,276 tests) — structured tool invocation, self-correction, session persistence.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 <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) | |