

# Anthony James Padavano

SENIOR SOFTWARE ENGINEER (DEVTOOLS & DATABASE EXPERIENCE)

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LINKS	<a href="#">Portfolio</a> · <a href="#">GitHub</a> · <a href="#">agentic-titan</a> · <a href="#">ORGANVM System</a>	
PROFILE	Independent engineer building production-grade developer tools and multi-agent orchestration frameworks in TypeScript and Node.js. Architect of a 103-repository ecosystem with 94 CI/CD pipelines and 2,349+ tests. Specialist in AI-native engineering infrastructure through an "AI-conductor" methodology, including MCP servers and WebSocket-based tooling for global-scale data systems. Full-Stack Developer (Meta). 18 years professional experience. LGBTQ+.	
TECHNICAL SKILLS	Node.js · TypeScript · CLI Tooling · GitHub Actions · CI/CD · Claude Agent SDK · WebSocket · Redis · MongoDB Atlas · Zod · pytest · Vitest · YAML/JSON Schema · React 18 · pnpm Monorepos · Express · Docker · Git · GCP / Terraform · Nginx · D3.js · p5.js	
SELECTED PROJECTS	<b>agentic-titan — Multi-Agent Orchestration &amp; CLI Framework</b> TypeScript framework for orchestrating complex, multi-step engineering tasks across autonomous agents. Includes 18 development phases and 1,276 tests. Features high-reliability tool invocation, task decomposition, and WebSocket-based state management.	
	<b>ORGANVM Eight-Organ System — 103-Repository Developer Infrastructure</b> A unified technical corpus encompassing 21K code files and 3.6K tests. Governed by a formal promotion state machine and automated dependency validation. Features 128 GitHub Actions workflows built on 18 reusable templates. A live demonstration of "solo production at institutional scale."	
	<b>agent--claude-smith — Claude Agent SDK Reliability Layer</b> Agent implementation built on Claude Agent SDK with session persistence, self-correction hooks, and structured tool invocation for production engineering environments.	
	<b>Application Pipeline — Systems Analysis Tooling Suite</b> Python CLI suite for pipeline orchestration with 8-dimension scoring rubric and YAML-driven state machine. Automates intake, research, and synthesis tasks.	
	<b>Linguistic Atomization Framework — Computational Text Analysis</b> Formal decomposition engine applying recursive parsing to literary structures, with a focus on Joycean textual analysis. Bridges literary scholarship (BA English Lit, MFA Creative Writing) with computational systems thinking.	
EXPERIENCE	<b>Independent Software Engineer &amp; DevTools Architect</b>	2020 — Present
	<ul style="list-style-type: none"><li><b>Infrastructure Reliability:</b> Built a corpus of 2,349+ tests across 94 active repositories, ensuring correctness in complex, cross-organizational developer tooling.</li><li><b>AI-Native Automation:</b> Developed multi-agent frameworks using the Claude Agent SDK (agentic-titan, 1,276 tests) featuring structured tool invocation and self-correction protocols.</li><li><b>Systems Governance:</b> Designed a 103-repo system with automated dependency graph validation (43 edges) and a formal promotion state machine (LOCAL → CANDIDATE → PUBLIC → GRADUATED).</li><li><b>Workflow Orchestration:</b> Managed 128 GitHub Actions workflows using 18 reusable templates to maintain production reliability across 8 independent organizations.</li></ul>	
	<b>Instructor — Writing &amp; Complex Systems</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. Translating complex architectural requirements into accessible documentation and mentoring junior developers in technical rigor.</li></ul>	
	<b>Digital Marketing Manager</b>	2023 — 2024
	<i>Miami Dade College Foundation (nonprofit)</i> <ul style="list-style-type: none"><li>Architected foundation website overhaul and campaign design, utilizing data analysis to drive a 32% increase in donor engagement.</li></ul>	
	<b>Multimedia Specialist</b>	2011 — 2020
EDUCATION	<i>AJP Media Arts — clients incl. Boca Ballet Theatre, Forward Funding, Arts in Boca</i> <ul style="list-style-type: none"><li>Produced high-volume visual and narrative campaigns; generated 17.5M+ views and \$2M in fundraising through technical and creative production.</li></ul>	
	<b>M.F.A. Creative Writing</b> (Joyce, systems narrative), Florida Atlantic University	2015 — 2018
	<b>B.A. English Literature</b> (Joyce concentration), 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)	