

DANIEL GARCIA

MANAGER, APPLIED AI | SOFTWARE ENGINEERING LEADER

PLAYER-COACH • RAPID PROTOTYPING • AGENTIC AI • ENTERPRISE DELIVERY

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EXECUTIVE PROFILE

Applied AI and software engineering leader with 20+ years of experience turning ambiguous business problems into shipped products, enterprise platforms, and reusable engineering practices. Blend startup speed with enterprise discipline: discover the real problem, prototype quickly, stay hands-on in the code, and build the standards that help teams repeat the result. Currently lead solution delivery and AI enablement at Southland Industries, including agentic AI strategy, AI-assisted engineering guidance, and contractor coaching.

APPLIED AI	DELIVERY	LEADERSHIP	ENTERPRISE
Agents • gauntlet loops • evals	Plan • build • test • repeat	Player-coach • AI guides	Cloud • data • integrations

BUILT + SHIPPED SIGNATURE APPLIED AI PROJECT

AI-ACCELERATED MULTIPLAYER ICEBREAKER PLATFORM INDEPENDENT PROJECT • 2026

PROBLEM → SOLUTION → SHIPPED • Live company event • Real-time multiplayer

- **PROBLEM** Existing corporate icebreaker and polling platforms could not deliver the game-like, image-driven experience the event needed—including custom mystery/reveal imagery, host-controlled flow, and synchronized participation.
- **SOLUTION** Designed and shipped the missing experience: a room-based multiplayer employee game that made the activity feel closer to a live party game than a corporate survey.
- **BUILD** Architected the TypeScript + Supabase + Cloudflare solution with synchronized state, separate host/player experiences, scoring, leaderboards, asset preloading, and large-group participation.
- **AI LOOP** Used AI as an engineering multiplier inside a PLAN → BUILD → TEST → REPEAT loop: define the milestone and acceptance evidence, build with AI agents, run automated technical gates plus human feel testing, then feed the evidence into the next iteration.

LIVE PRODUCT name-that-team-member.pages.dev • Private source; product walkthrough and technical discussion available upon request.

PROFESSIONAL EXPERIENCE

SOUTHLAND INDUSTRIES | Lead Solutions Analyst

2025 – Present

- Lead multiple concurrent solution engagements across enterprise automation, data, and AI, translating loosely defined business needs into prototypes, production workflows, and reusable implementation patterns.
- Designed the applied AI roadmap and pilot architecture for an Operations Copilot—an agentic assistant that gathers from workflow documentation and SharePoint, synthesizes grounded briefings, reasons over project context, recommends next actions, and respects identity-based access.
- Created AI-assisted engineering standards covering prompts, agents, testing/evaluation, documentation, security, model controls, and responsible AI; coach contractors on using AI to accelerate development without sacrificing quality.
- Stay hands-on: prototype solutions, debug integrations, review technical approaches, and build across Microsoft Fabric/OneLake, Microsoft Graph, SharePoint, Workato, Autodesk ACC/Forma, COINS, and Stratus using C#, Python, APIs, and automation.

SDI PRESENCE | Software Engineer formerly Scientia Consulting Group

Feb 2015 – Mar 2025

- Led re-architecture of a legacy Angular/.NET application into .NET Core microservices on Azure Functions and implemented Azure DevOps CI/CD, accelerating release cadence by 50% and reducing deployment failures by 90%.
- Established code review, pair-programming, and unit-testing practices that increased test coverage from 60% to 90% and reduced production defects by 70%.
- Architected and led a JavaScript/WebSockets real-time audio platform for law enforcement, replacing third-party tooling and saving approximately \$250,000 annually.

EARLIER STARTUP & ENGINEERING LEADERSHIP

MAVIEN | Mobile Engineer *startup environment*

May 2014 – Nov 2014

- Owned the gap between idea and working product, spearheading end-to-end development of a JavaScript/HTML5 mobile prototype with Facebook API integration.
- Delivered the functional MVP 30% ahead of schedule, supporting investor presentations and subsequent project funding.

AGE OF LEARNING / ABCmouse | Lead Software Engineer *early-stage startup*

Dec 2012 – May 2014

- Led a cross-functional team of four through a major migration from ActionScript/Flash to JavaScript/HTML5, implementing unit tests and streamlined release workflows.
- Reduced critical defects by 80%, resolved high/medium-priority issues, and saved more than 200 hours of QA overtime.
- Created coding standards, training, and mentorship materials that cut new-hire ramp-up time by 50% and improved team consistency.

IMPACT AT A GLANCE

\$250K ANNUAL COST AVOIDED	50% FASTER RELEASE CADENCE	90% FEWER DEPLOY FAILURES	80% FEWER CRITICAL DEFECTS
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APPLIED AI & ENGINEERING TOOLKIT

APPLIED AI	Claude; OpenAI / Codex; GitHub Copilot; prompt design; agentic workflows; tool calling; RAG patterns; evaluation / acceptance harnesses; Gauntlet loops; AI governance; security; model selection
ENGINEERING	C#; Python; JavaScript / TypeScript; .NET; Node.js; FastAPI; React; Angular; Blazor; REST APIs; WebSockets; SQL
ENTERPRISE	Azure; Microsoft Fabric / OneLake; Microsoft Graph; SharePoint; Workato; Autodesk ACC / Forma; COINS; Stratus; Azure DevOps; Docker
LEADERSHIP	Player-coach leadership; stakeholder discovery; rapid prototyping; technical direction; code review; mentoring; contractor AI enablement; AI guides / playbooks; Agile / DevOps

APPLIED AI DELIVERY MODEL

01 PLAN Define the real problem, milestone, acceptance criteria, and evidence needed.	02 BUILD Use AI agents to implement a bounded working slice while staying hands-on.	03 TEST Run automated technical gates plus human experience / feel testing.	04 REPEAT Feed evidence back into the next gauntlet loop; remediate, retest, and harden.
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AI accelerates every loop; engineering judgment and observable evidence remain the release gate.

WHAT I BRING TO AN APPLIED AI TEAM

BUILD FAST Comfortable starting with an ambiguous request, finding the real user problem, prototyping, and iterating toward something people can use.

STAY TECHNICAL Management does not mean leaving the code. I prototype, debug, review architecture, test, and pair with developers on difficult problems.

MAKE IT REPEATABLE Turn one-off wins into standards, prompts, gauntlet loops, test gates, AI guides, patterns, and coaching that improve the whole team.

EDUCATION & PORTFOLIO

Computer Information Systems — University Coursework • Best Senior Project Award

Portfolio: d4g.dev | LinkedIn: linkedin.com/in/daniel-adam-garcia | GitHub: github.com/agent5905