

Gary Dean Murphy

Applied AI Engineer | Voice AI & Automation | Austin, TX / Remote

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Summary

AI engineer focused on voice agents and workflow automation. I built Riley, a voice AI that answers customer calls for service businesses, utilizing Vapi, Twilio, n8n, and Claude. My background includes 10+ years in industrial automation and production systems (Tesla, Flex, Halliburton, Pentagon), providing deep expertise in how production environments operate and where they fail.

Technical Skills

- **LLMs & AI:** Anthropic Claude APIs & MCPs, prompt engineering, tool use, agent workflows, evaluations, OpenAI Realtime API.
- **Voice AI:** Vapi, Twilio (Voice, SMS, WhatsApp), real-time speech.
- **Automation:** n8n in production (webhooks, schedule triggers, error handling).
- **Languages & Infrastructure:** Python, Node.js, Bash, Docker, Linux, Cloudflare Tunnels, DigitalOcean, Nginx.
- **Integrations:** Google Sheets & Calendar (OAuth2/Service Account), Telegram Bot API, Gmail API.
- **Industrial Background:** 10 years industrial automation, PLCs, Kuka and Fanuc robotics, GMP/FDA manufacturing.

Professional Experience

SoloEdge | *Founder & AI Engineer* Austin, TX | Oct 2024 – Present

I operate [SoloEdge.app](#), a specialized AI shop building Agents for service businesses. My primary focus is building, shipping, and maintaining production ready systems.

- **Architected a multi-agent crew** (Forman code agent, Onboarding agent, Code Review agent) operating under a 5-gate quality framework and the SoloEdge operating doctrine, a principles-based agent governance system I authored.
- **Riley Voice AI:** Developed an end-to-end voice agent for customer calls. Architecture includes Twilio for telephony, Vapi for speech processing, a Node.js server routing to Claude for reasoning, and n8n for downstream actions (calendar booking, lead capture, and missed-call SMS).
- **Operations Workflows:** Built internal monitoring tools: *ops-watchdog* (health checks via Telegram), *ops-brief* (daily Claude-generated summaries), and *bisect-minimal* (incident alerting).
- **Production Management:** Managed deployments on DigitalOcean droplets via Cloudflare Tunnels; handled Linux administration, secrets management, and on-call rotation.
- **Side Project:** Developed [WetPaws.app](#), a dog-owner discovery app currently live on web and iOS.

Pentagon Technologies | *Field Service Engineer & Technician Supervisor* Austin, TX | Oct 2023 – Oct 2024

Managed Fanuc cleaning systems for semiconductor cleanroom tooling. Oversaw installs, repairs, and maintenance plans while supervising installation technicians and managing vendor escalations.

Tesla Motors | *Automation Technician* Austin, TX | Oct 2021 – Oct 2023

Maintained robots and mechatronics at Gigafactory Austin, including Kuka/Fanuc systems, PLCs, and networked controls. Focused on rapid diagnostics and maintaining line uptime.

Flextronics (Flex) | *Automation Technician & Supervisor* Austin, TX | Oct 2019 – Oct 2021

Led the commissioning and validation of three SMT and three packaging lines for FDA-compliant medical device manufacturing.

Earlier Career: **Daikin/Goodman** (Assembly-Line Tech), **Halliburton** (Electro-Mechanical Tech), **Power Computing Corp** (Assembly Line Ops Manager), **Apple Computer Inc.** (Technical Support Specialist).

Education & Certifications

University of Texas at Austin Post-Graduate Program: AI and Machine Learning w/Python *In Progress, 2026*

National Education Center A.A.S. Electronics Engineering

Anthropic Academy | **Completed May 2026** *Claude 101 * Building with the Claude API *Intro to MCP * MCP Advanced Topics * Claude Code in Action* Intro to Agents * Intro to Subagents