

Ryan Monroe

Director of AI Engineering | Agentic Systems Leader | Engineering Executive

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Executive Summary

Director-level engineering leader with 10+ years of experience building and scaling platforms across healthcare, fintech, adtech, AI, and security intelligence. Proven track record leading teams, translating strategy into shipped systems, and building production AI platforms spanning multi-agent orchestration, tool execution, persistent memory, model evaluation, and human-in-the-loop approval workflows. Brings the combination senior AI leadership teams want most: technical depth, product judgment, and fast execution.

Leadership Experience

Hims & Hers via ImagineX, Engineering Manager / Tech Lead

Feb 2025 - Present | Miami, FL

- Lead frontend and platform engineering for digital health products and internal platform initiatives in a regulated healthcare environment.
- Manage a team of 5 engineers and pioneered an internal agent orchestration platform that accelerated epic planning, ticket delivery, and debugging workflows.
- Own launches for new product lines including testosterone, menopause, and ED-related offerings, translating product direction into shipped systems in a high-velocity healthcare environment.

Independent Consultant, AI Research & Security Intelligence

2024 - Present

- Delivered consulting work for counter-UAS / anti-drone defense technologies, focused on airspace monitoring and operational awareness for a confidential client.
- Built AI-assisted analysis workflows for high-signal monitoring, information synthesis, and decision support, enabling deeper R&D and discovery of new capabilities with meaningful value for government customers.
- Conducted red-team-style adversarial LLM research, including successful jailbreak testing against Gemma 4 31B to evaluate model behavior, safety boundaries, and prompt-defense weaknesses.

Fidelity Investments, Director / IC / Full-Stack Engineering

May 2023 - Jan 2025 | Miami, FL

- Led Technical Life Management strategy across 100+ applications, improving planning horizon, technical prioritization, and execution alignment.
- Managed and mentored four senior engineers across multiple squads while contributing hands-on across the stack.
- Built Snowflake-based data pipelines for customer attribute delivery into LiveRamp, improving data quality, audience precision, and marketing effectiveness, and contributing to a 2-5% lift in custom conversion on a top year-over-year ad spend initiative.

Hudson MX, Director of Software Engineering

Apr 2020 - May 2023

- Led engineering for a large-scale media buying platform built with Java Spring Boot and Angular.
- Led the Atlanta engineering office with roughly 25 engineers in orbit across the broader organization, improving delivery discipline, platform reliability, and engineering maturity.
- Partnered across product and engineering leadership to scale platform capabilities and operational rigor.

Earlier Experience, Tin Roof Software / NCR and State Farm

2016 - 2020

- Led development of NCR's next-generation point-of-sale platform and managed a 15-person Scrum team across the U.S., Prague, and India.
- Built Spring Boot and Angular applications, test automation systems, and release processes in enterprise Agile environments.

Selected AI Platform Work

OpenClaw

Designed and built a production multi-agent orchestration platform with persistent memory, tool routing, cron scheduling, approvals, and multi-channel operations across Telegram, Discord, and Slack.

- Built an 18-agent hedge-fund fleet plus a separate marketing/content creation fleet for autonomous research, analysis, publishing, and operations.
- Wired the platform to 11 MCP servers and 270+ connected skill packages across system and private toolsheds, including voice, browser, research, Shopify/Printify, and content-automation capabilities.
- Built a reusable skill toolshed that lets agents operate in open-world environments with tool use, voice communication, and domain-specific workflows, and repeatedly stood the platform up across multiple devices and model stacks, including open-source models.

Super Genius

Built an AI agent platform for autonomous healthcare operations, combining browser-first workflows with a FHIR-aware integration strategy for real-world EHR environments.

- Built an AI voice receptionist for clinical practices to handle inbound calls for scheduling, cancellations, patient lookup, waitlist management, and human transfers.
- Structured the platform around healthcare-specific automation workflows designed for the messy realities of real-world EHR environments.

Prediction Alpha

Built an autonomous prediction-market trading system with multi-strategy scanners, risk controls, calibration-aware decisioning, and self-review loops.

- Configured 7 strategy lanes across Kalshi and Polymarket, including arb, sportsbook, whale-copy, news, early-market, ML, and crypto-hourly strategies.
- Added circuit breakers, Kelly-style sizing, debate thresholds, and human-approval gates for higher-risk trade decisions.

AI Companion

Built a holographic AI companion on Looking Glass and Jetson AGX Orin, including custom IMX708 Jetson camera-driver tooling open-sourced for JetPack 6.2.

- Built a Blender-based avatar and MCP-enabled interaction layer to give the companion a persistent face and voice as an all-day personal AI buddy.
- Generated early community traction around the Jetson / IMX708 open-source work, including GitHub stars, Reddit upvotes, and inbound outreach from other builders.

Core Strengths

AI / Agentic Systems: multi-agent orchestration, tool use, persistent memory, approval workflows, prompt engineering, adversarial LLM testing, red teaming, model evaluation

Leadership: org leadership, team building, technical strategy, platform delivery, cross-functional execution

Stack: TypeScript, JavaScript, Python, Java, React, Next.js, Node.js, Spring Boot, AWS, GCP, Azure, Docker, Kubernetes, PostgreSQL, MongoDB, Redis, Snowflake

Education

Georgia Tech - Coursework toward M.S. in Computer Science, Machine Learning concentration

Georgia State University - B.S. in Computer Science