

RUSSELL MILLER

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AI PRODUCT & AGENTIC SYSTEMS

15+ years leading AI/ML product development and enterprise transformation. Hands-on builder of agentic AI systems, ML platforms, and workflow automation solutions driving \$20M+ revenue impact. Deep technical expertise in LLMs, RAG architectures, and agent orchestration combined with program leadership across cross-functional teams. MIT Math graduate with proven track record deploying production AI systems from ideation through scale.

PROFESSIONAL EXPERIENCE

Director of Growth Product | Feb 2025 – Dec 2025

Axial | B2B Private Capital Marketplace (\$3B+ Transaction Volume)

- **Agentic AI System:** Architected autonomous ML + AI Agent system for real-time content optimization and intelligent decisioning. Evaluated model providers, pushed engineering toward Mistral for scalable OCR. System autonomously rewrites deal headlines using LLM prompts with KeyBERT/YAKE feature extraction. Result: 18% CTR lift, \$900k+ incremental pipeline.
- **Agent Architecture & Vendor Evaluation:** Led specification for unified AI chat agent combining marketing and customer service workflows
- **Data Pipeline Architecture:** Defined architecture for Marketing ETL system unifying core application + Salesforce data to power AI-driven personalization and automated workflows.
- **Platform Transformation:** Orchestrated full infrastructure migration achieving 20x latency improvement (400ms → 20ms), enabling real-time AI system responsiveness.

General Manager / COO | 2021 – 2024

Ryzeo | E-commerce Marketing Automation SaaS

- **AI Recommendation Engine:** Launched AI-powered product recommendation system analyzing real-time user behavior. Deployed to production serving thousands daily. Results: 14% AOV increase, 10% conversion lift.
- **AI Email Agent:** Designed autonomous AI agent that generates email campaigns from product pages—handles copy generation, template creation, and personalization without human intervention.
- **Platform Modernization:** Led migration from legacy Cassandra to Datastax Astra cloud, improving scalability and real-time query performance.
- **Rebuilt App:** Oversaw design and development of new interface with detailed reports and analytics dashboard showing key ecommerce metrics like Revenue, Orders and AOV, based on React and custom APIs.
- **Cross-Functional Leadership:** Full P&L ownership. Led teams across product, engineering, sales, and customer success. Company successfully exited.

Founder & Principal Consultant | 2018 – 2021

Zavient | AI Strategy & Platform Development

- **ML Optimization Platform:** Built real-time ML bidding platform using gradient descent optimization, driving \$20M+ revenue for consumer electronics client over 2 years. 10k+ lines of production code; automated decisioning across millions of daily transactions.
- **RAG-Based Content Platform (PageGenie.ai):** Developed end-to-end RAG system on Azure integrating LLMs with product catalogs. Handles retrieval, grounding, and generation for AI-optimized content at scale.
- **Custom GPT Development:** Built 10+ custom GPTs on OpenAI platform serving 2,000+ users: SEC EDGAR financial analysis, personal finance planning, workflow automation tools. Hands-on with LLM APIs (GPT, Claude), prompt engineering, and chain-of-thought optimization.
- **Enterprise AI Advisory:** Led strategic AI implementation engagements with VC-backed companies on agent architecture and automation roadmaps.

Director of Product | Growth & Data Science | 2014 – 2018

RepairPal | Automotive Marketplace (Cars.com, USAA-backed)

- **ML Platform Development:** Designed and built machine learning platform for dynamic ad generation and auto-optimization using n-armed bandit algorithm. 10k+ lines of code; processed 10k optimizations monthly. Results: 5x CTR improvement (0.6% → 3%+), 18% conversion lift, 40% cost reduction.

- **Predictive Analytics:** Led data science partnership with University of Missouri; built predictive lead scoring model transforming sales effectiveness.
- **Analytics Transformation:** Implemented enterprise dashboards for CEO and division heads; company doubled traffic and revenue during tenure.

Earlier Experience

Director of Product | Texas Instruments (MSP430 Division, \$100M revenue) – Global product launches, Google Shopping integration (4x ROI) | 2009-2013

Director of Product | Online Resources Inc. | Fintech Banking SaaS | 2006 – 2008

Head of Product for Retail Banking, Lending, and Account Opening SaaS

- Led product for white-labeled retail banking software serving thousands of small and regional bank customers across the U.S.
- Managed 20+ developer team and project manager; drove product roadmaps, requirements (PRDs/BRDs), and customer-facing launches.
- Built flagship banking product (Command) from specification through launch. Interfaced directly with bank customers to drive product vision and sales enablement.

TECHNICAL PROFICIENCIES

AI/ML: LLMs (GPT, Claude), Agentic AI, RAG Systems, Agent Orchestration (DSPy evaluation), Prompt Engineering, Gradient Descent, N-Armed Bandit, Predictive Analytics, Embeddings

Development: Python (primary), JavaScript, SQL, REST APIs, ETL/Data Pipelines, Git

Platforms: Azure, OpenAI API, Hugging Face, Salesforce, Segment, Analytics (Tableau, Periscope)

Product & Program: Agile/Scrum, Roadmapping, Cross-Functional Leadership, A/B Testing, KPI Definition

EDUCATION

Massachusetts Institute of Technology | B.S. Mathematics

Texas A&M University | MBA, E-commerce Specialty