

DAVID WEISS

AI PRODUCT & ENGINEERING EXECUTIVE

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EXECUTIVE PROFILE

AI product and engineering leader who turns emerging model capabilities into scaled enterprise platforms and substantial business value. Originated, built, or advised 15+ AI initiatives spanning customer service, self-service, knowledge management, analytics, governance, and agentic systems—shaping Prudential’s AI strategy and operating model while influencing millions of interactions. Leads a 6-person team and directs 50–70 cross-functional contributors, combining executive ownership with hands-on technical depth.

2M+

ANNUAL AI INTERACTIONS

15+

ENTERPRISE AI INITIATIVES

\$50M+

AUM DIRECTLY ATTRIBUTED

50–70

CROSS-FUNCTIONAL SCOPE

PROFESSIONAL EXPERIENCE

Director, Data Science

2020 – Present

Prudential Financial — U.S. Business Technology | Reports to USB Technology VP

- **Enterprise AI portfolio leadership.** Originated, built, or advised 15+ initiatives across customer service, self-service, knowledge management, analytics, governance, and agentic systems—delivering substantial financial and operational value while shaping AI strategy, architecture, and operating standards across Prudential. Own roadmap, budget, vendors, risk, and delivery; lead 6 direct reports and direct 50–70 cross-functional contributors.
- **AVA — scaled operational transformation.** Conceived and own the primary daily AI platform for Service and Claims: 2M+ annual interactions, a 3-minute reduction in average handle time—equivalent to ~100,000 hours of annual service capacity—and a recent 70% reduction in operating cost.
- **Artemis + Agentic Networking — enterprise agent platform.** Designed and deployed a persistent agent harness with context-inheriting subagents, self-improvement workflows, dynamic skills, and native peer-to-peer networking. Its executive-sponsored 12-person pilot captures tacit knowledge bottom-up, transfers executable expertise across teams, and has reduced contributor ramp-up from months to days.
- **Pruplexity — production agentic analytics.** Launched Prudential’s first fully agentic platform in Jan 2025, combining autonomous analysis loops, code execution, and hosted applications; adopted by 100+ users and generated ~2,000 analytical dashboards.
- **Sierra — customer self-service AI.** Own triage and knowledge layers for Prudential’s newly launched telephony AI; created a multi-armed-bandit/evolutionary optimization approach targeting ~40% call containment.
- **GenAI capability builder.** Founded and lead the executive-sponsored U.S. Business GenAI Labs; authored Prudential’s first Responsible AI standards, led its initial GenAI vendor evaluation and Azure selection, and established a prototype-to-production operating model.
- **Retirement Location Planner — early customer GenAI.** Conceived and prototyped before ChatGPT, then launched publicly in Apr 2023. The conversational product generated personalized retirement recommendations and dashboards and drove \$50M+ in directly attributed AUM.

ADDITIONAL PRODUCT LEADERSHIP

Founding Data Scientist (1099 Contract)

Oct 2025 – Feb 2026

Galaxy (getgalaxy.io) | Concurrent advisory build

- Independently designed and shipped a multi-agent knowledge-extraction and ontology platform in ~1 month; the company pivoted around it as its core product. Processed gigabyte-to-terabyte heterogeneous datasets through staged agent extraction and validation with deterministic graph construction.

EARLIER EXPERIENCE

Quantitative Developer2018 – 2019

Point72 Asset Management — New York, NY | Sole quant developer, \$1.8B TMT portfolio

- Built 50+ applications spanning analyst workflows, automated research, low-latency market intelligence, trading strategies, portfolio analytics, and end-to-end options-book risk management.
- Developed automated strategies with ~\$50M in allocated capital and options infrastructure supporting complex gamma and leveraged portfolio positioning.
- Engineered a low-latency earnings pipeline that extracted market-moving results ahead of major data providers; its signal informed a human-reviewed trade generating approximately \$150M in P&L.

Lead Data Scientist2017 – 2018

AT&T — Bedminster, NJ

- Developed and productionized an LSTM-based named-entity recognition platform for PII detection and redaction; integrated it with enterprise security infrastructure.

SELECTED INNOVATION & ENTREPRENEURSHIP

Open-Air, Co-Founder (2024–2025). Authored a May 2024 white paper defining interoperable infrastructure for agent discovery, collaboration, and secure transactions across graph-based networks.

Auto-RAG (2023). Built an evolutionary LLM-as-judge loop to optimize prompts and retrieval; findings drove a shift away from vector RAG toward agentic retrieval and informed later production platforms.

LEADERSHIP & TECHNICAL DEPTH

Leadership: AI strategy and roadmaps; product portfolio ownership; team building and talent development; executive communication; vendor/model selection; budget ownership; responsible AI; cross-functional delivery in regulated environments.

Agentic systems: Multi-agent architectures, autonomous code execution, persistent memory, agentic retrieval, knowledge graphs, LLM-as-judge evaluation, self-improving workflows, peer-to-peer agent networking, tool and prompt design.

Production engineering: Python, Azure, AWS, Snowflake, DynamoDB, Kafka, React, Docker, Terraform, CI/CD; quality, latency/TTFT, reliability, safety, and token-cost instrumentation and optimization.

EDUCATION

Bachelor of Science, Physics2016

The College of New Jersey — Ewing, NJ