

DAVID WEISS

AI PRODUCT & ENGINEERING EXECUTIVE

Draper, UT | datoweiss@gmail.com | linkedin.com/in/david-weiss-b44963135

AI product and engineering leader turning emerging model capabilities into scaled enterprise platforms and business value. Originated, built, or advised 15+ AI initiatives across service, analytics, knowledge management, governance, and agentic systems. Owns strategy through delivery, combining leadership of 6 direct reports and 50–70 cross-functional contributors with hands-on technical depth.

2M+

ANNUAL AI INTERACTIONS

15+

ENTERPRISE AI INITIATIVES

\$50M+

DIRECTLY ATTRIBUTED AUM

6 / 50–70

DIRECT / CROSS-FUNCTIONAL

PROFESSIONAL EXPERIENCE

Director, Data Science

2020 – Present

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

Enterprise AI portfolio leadership. Own roadmap, budget, vendors, risk, and delivery across 15+ initiatives shaping enterprise AI strategy, architecture, and operating standards. Lead 6 direct reports and direct 50–70 cross-functional contributors.

AVA — 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 70% reduction in operating cost.

Artemis + Agentic Networking — enterprise pilot. Designed and deployed a persistent agent harness with context-inheriting subagents, dynamic skills, self-improvement workflows, and native peer-to-peer networking. Launched an executive-sponsored 12-person pilot in May 2026 to explore bottom-up tacit knowledge capture and exchange of executable expertise across teams.

Pruplexity — production agentic analytics. Launched in January 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 telephony AI; created a multi-armed-bandit/evolutionary optimization approach with a target of ~40% call containment, not a realized result.

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 — customer GenAI. Conceived and prototyped before ChatGPT; launched in production in April 2023. Personalized retirement recommendations and dashboards drove \$50M+ in directly attributed AUM.

ADDITIONAL PRODUCT LEADERSHIP

Founding Data Scientist (1099 Contract)

Oct 2025 – Feb 2026

Galaxy (getgalaxy.io) | Concurrent with Prudential

Ontology-driven AI product. 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 Developer

2018 – 2019

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

Investment and research infrastructure. Built 50+ applications spanning analyst workflows, automated research, low-latency market intelligence, trading strategies, portfolio analytics, and end-to-end options-book risk management.

Systematic strategies and risk. Developed automated strategies with ~\$50M in allocated capital and options infrastructure supporting complex gamma and leveraged portfolio positioning.

Lead Data Scientist

2017 – 2018

AT&T — Bedminster, NJ

Production machine learning. 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 experimental work. 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, Physics

2016

The College of New Jersey — Ewing, NJ