

Short bio (70–90 words)

Luis B. Mata is the creator of SQLv2 and the inventor behind SynapCores, an AI-native multimodal database. A technology leader with 20+ years in fintech, healthtech, and e-commerce, Luis has shipped AI/ML systems at scale and led teams through HIPAA, SOC2, and PCI compliance programs. His work includes GPU-accelerated inference, real-time analytics, and ML-driven personalization. Prior roles include CTO at Natural Health Sherpa, CTO at Burnalong, Director of Engineering at XG Technology, and Engineering Lead at Avionica.

Standard bio (150–180 words)

Luis B. Mata is a database inventor and the creator of SQLv2, a new open standard that merges SQL with in-engine inference, vector search, and generative functions. He founded SynapCores to implement this vision and deliver the first AI-native multimodal database. Patent filing 63/843,127 (July 2025) covers core aspects of this architecture.

Luis brings more than two decades of leadership across AI/ML, data platforms, and regulated industries. As CTO at Natural Health Sherpa, he guided a migration to cloud-native infrastructure and helped revenue scale from \$28M to \$50M by enabling data-driven personalization. At Burnalong, he led teams that built recommendation engines, real-time analytics, and custom NLP models achieving 85% churn-prediction accuracy. Earlier roles include Director of Engineering at XG Technology, where he worked on self-organizing wireless networks, and Engineering Lead at Avionica, where he shipped encrypted SaaS telemetry for Boeing aircraft.

Luis is also the author of two books on entrepreneurship, available on Amazon. He is based in Charlotte, NC.

Extended bio (300–350 words)

Luis B. Mata is the creator of SQLv2 and inventor of SynapCores, an AI-native multimodal database built to unify AI workloads with traditional data systems. SQLv2 extends ANSI SQL with semantic reasoning, vector search, in-engine inference, and generative functions — eliminating the need for multiple specialized systems. Patent filing 63/843,127 (July 2025) covers key aspects of this architecture.

With more than 20 years of experience, Luis has focused his career on building high-throughput, compliant data platforms that serve large user populations. His teams have delivered HIPAA, SOC2, and PCI-compliant systems; GPU-accelerated inference paths;

and machine learning pipelines that power personalization, fraud detection, and real-time analytics.

As CTO at Natural Health Sherpa, Luis helped scale the business by enabling advanced segmentation and cloud-native infrastructure, contributing to revenue growth from \$28M to \$50M. At Burnalong, he oversaw the development of recommendation engines, live fitness streaming features, and predictive analytics models that achieved 85% churn-prediction accuracy. Earlier, he was Director of Engineering at XG Technology, designing reinforcement learning algorithms for self-organizing networks, and Engineering Lead at Avionica, where he shipped encrypted SaaS telemetry systems now deployed in Boeing aircraft worldwide.

Luis is a published author with two books on entrepreneurship, including *Navigating the Lean Startup Landscape*. His work has been recognized with awards such as the Rural Broadband Association's "Broadband Product of the Year" in 2014. He holds a B.S. in Computer Science from IUTIRLA and lives in Charlotte, NC.

Speaker intro (≤50 words)

Luis B. Mata is the creator of SQLv2 and inventor of SynapCores, an AI-native multimodal database. He has led AI platforms across healthtech and fintech, shipped HIPAA- and SOC2-compliant systems, and pioneered in-engine inference for AI workloads. Luis is also the author of two books on entrepreneurship.

One-line boilerplate

Luis B. Mata is the creator of SQLv2 and inventor of SynapCores, with 20+ years building compliant, production AI systems across healthtech, fintech, and e-commerce.

Optional Highlights

- Patent filing 63/843,127 filed July 2025
- 20+ years in AI/ML and database systems
- Revenue growth from \$28M → \$50M at Natural Health Sherpa
- 85% churn-prediction accuracy at Burnalong
- Built HIPAA, SOC2, PCI-compliant platforms
- Published author of two books on entrepreneurship
- Recipient of 2014 Broadband Product of the Year award