

Vector Database Selection

Pinecone

- ✓ Fully managed
- ✓ Excellent scalability
- ✗ Proprietary, costly

Weaviate

- ✓ Open source
- ✓ Built-in vectorization
- ⚠ Self-hosting required

Milvus

- ✓ High performance
- ✓ Trillion-scale
- ⚠ Complex setup

Qdrant

- ✓ Rust-based speed
- ✓ Easy deployment
- ✓ Good for medical

Selection Criteria

Data volume: **>10M vectors**

QPS: **1000+**

Latency: **<100ms**

HIPAA compliance: **Required**