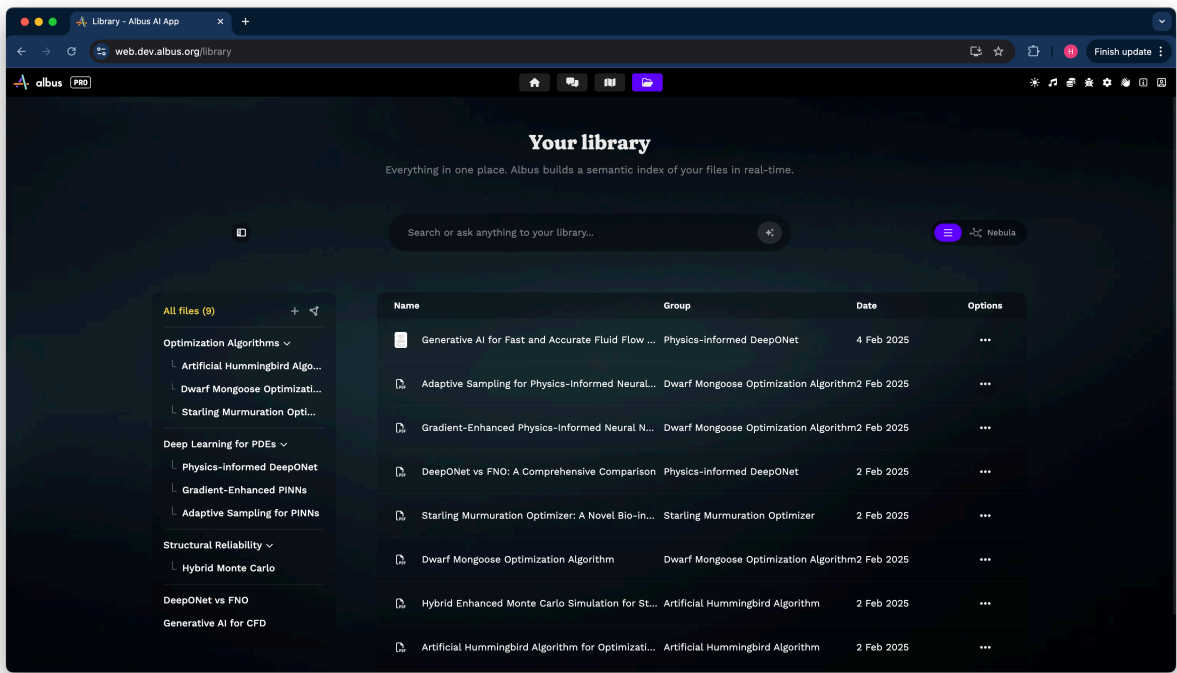


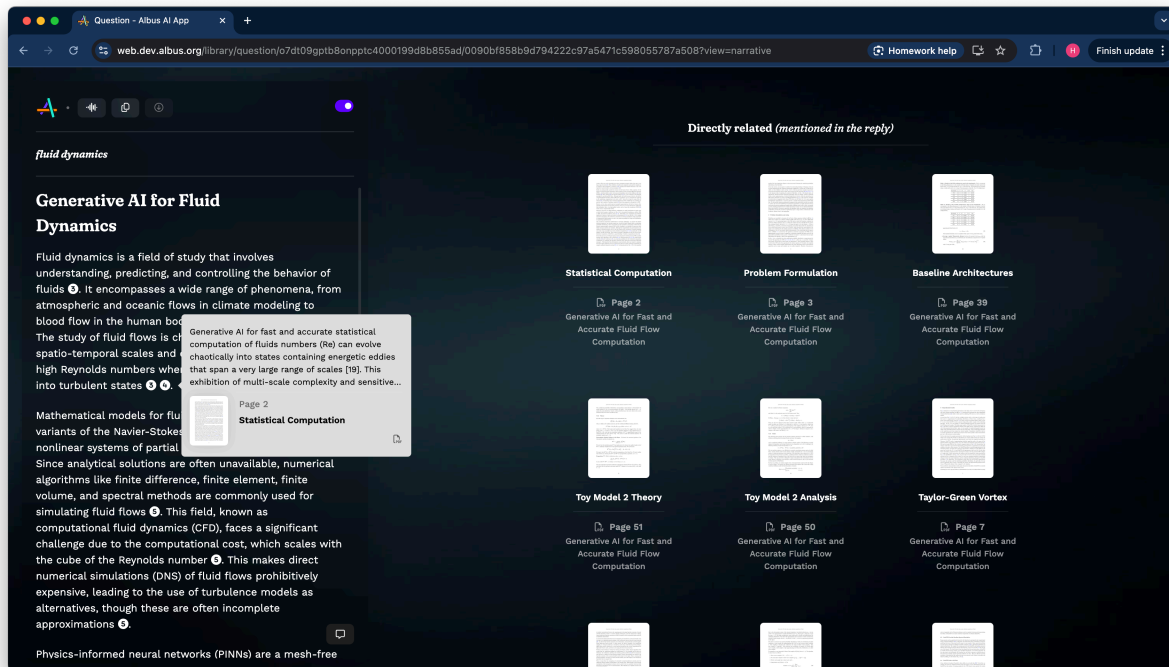
Mandatory Criteria 1 - Technical Leadership at Albus Technologies

Over 6 months as Founding Engineer, I built Albus’s core RAG system from the ground up, designing a hierarchical semantic chunking architecture that outperformed the industry standard (LangChain) by 30%. I solved a critical industry problem - LangChain’s arbitrary text splitting - with an approach so effective that users willingly chose 30x slower processing for 2x better accuracy. The system I built now serves 50,000+ active users across multiple enterprise customers, processing 400,000+ documents into 4 million semantic chunks and handling 500,000+ monthly searches with 99.7% uptime and sub-200ms response times.

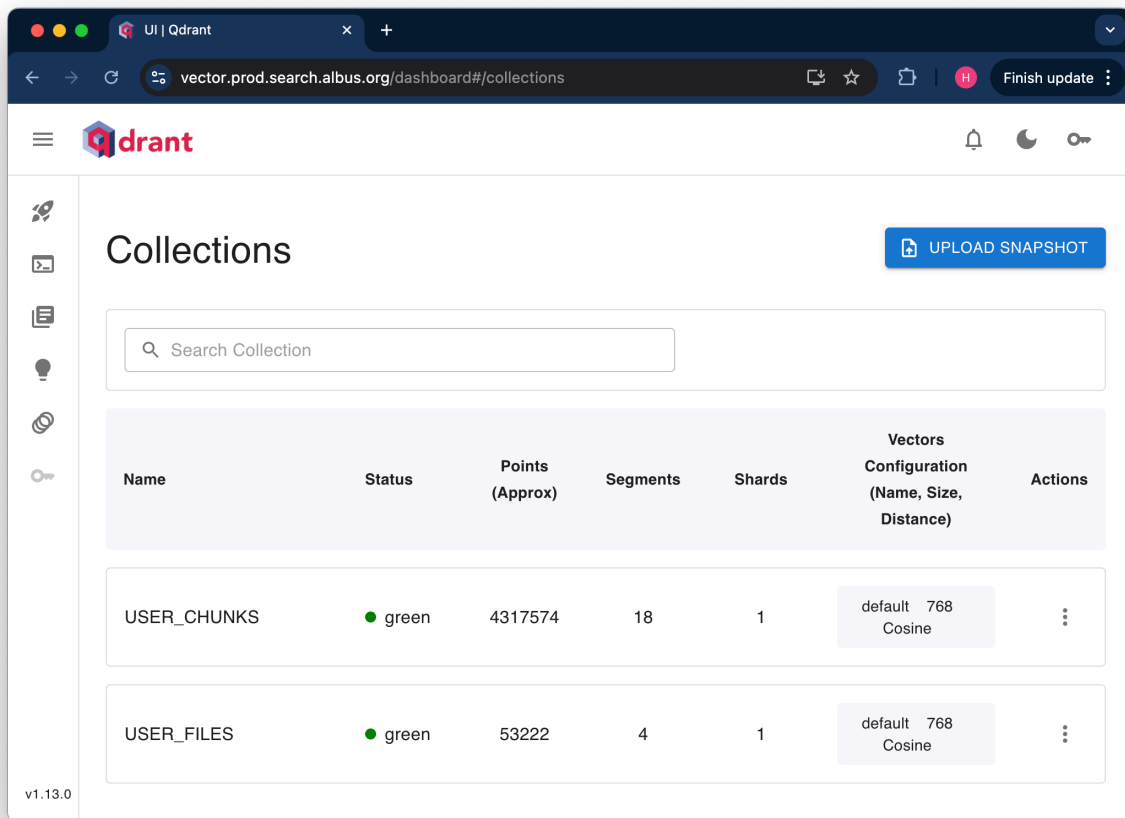
System I Built



Library view where users drag and drop thousands of documents of different modalities (PDF, image, code, text, audio, website)



Search view where users ask questions and get detailed reports with relevant references from their libraries



System scale: 50,000+ users, 400,000+ documents processed, 4,000,000+ semantic chunks

Key Numbers

- **50,000+ active users** across multiple enterprise customers
- **400,000+ documents** processed into 4 million semantic chunks
- **500,000+ monthly searches** with 99.7% uptime and sub-200ms response times
- **30% improvement** over industry standard (LangChain)