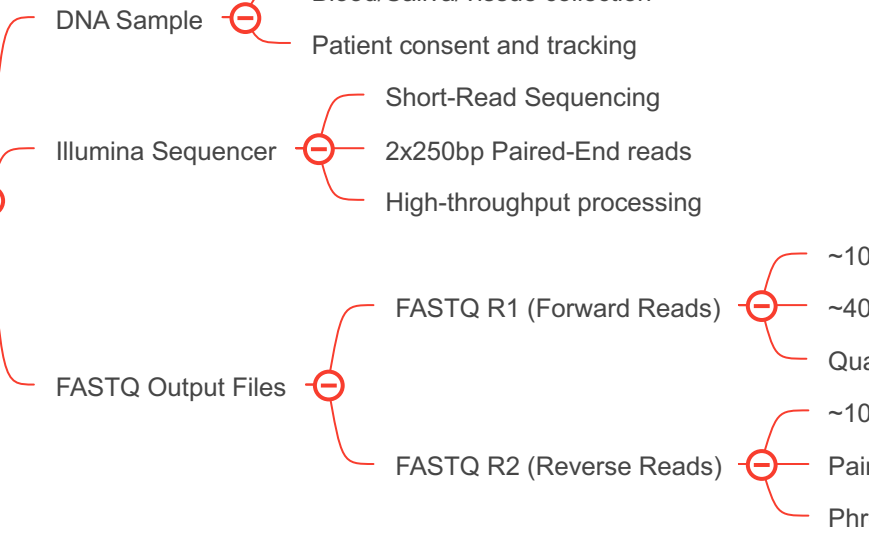
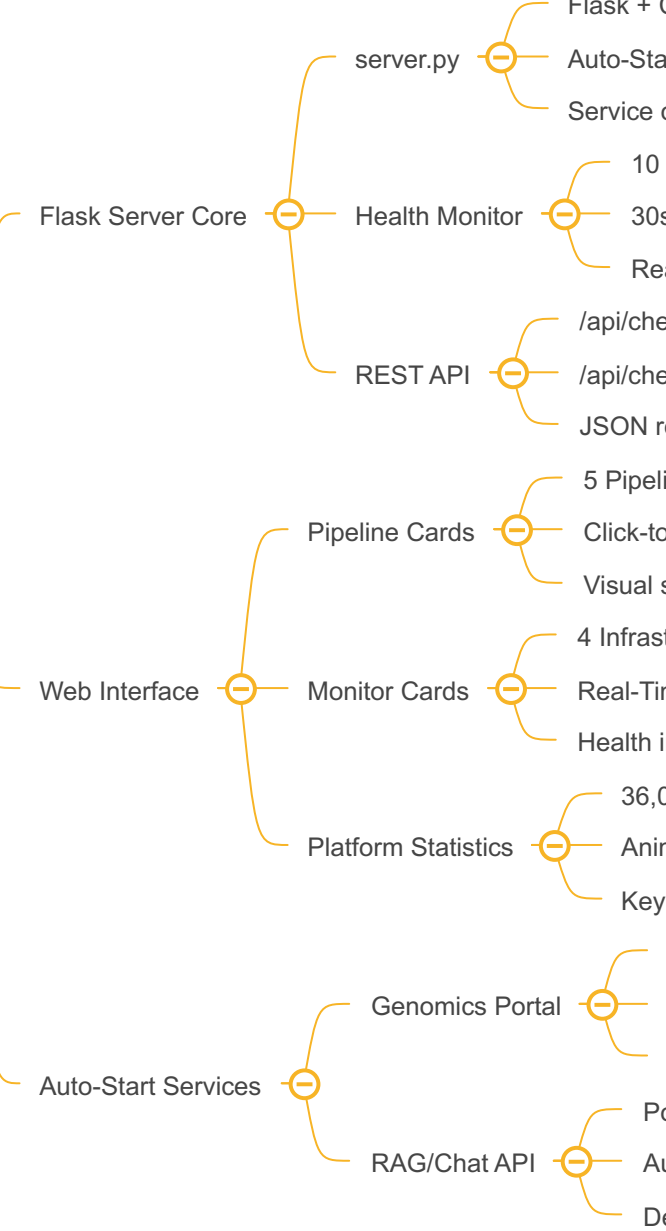


HCLS AI Factory on NVIDIA DGX Spark Pipeline Mindmap

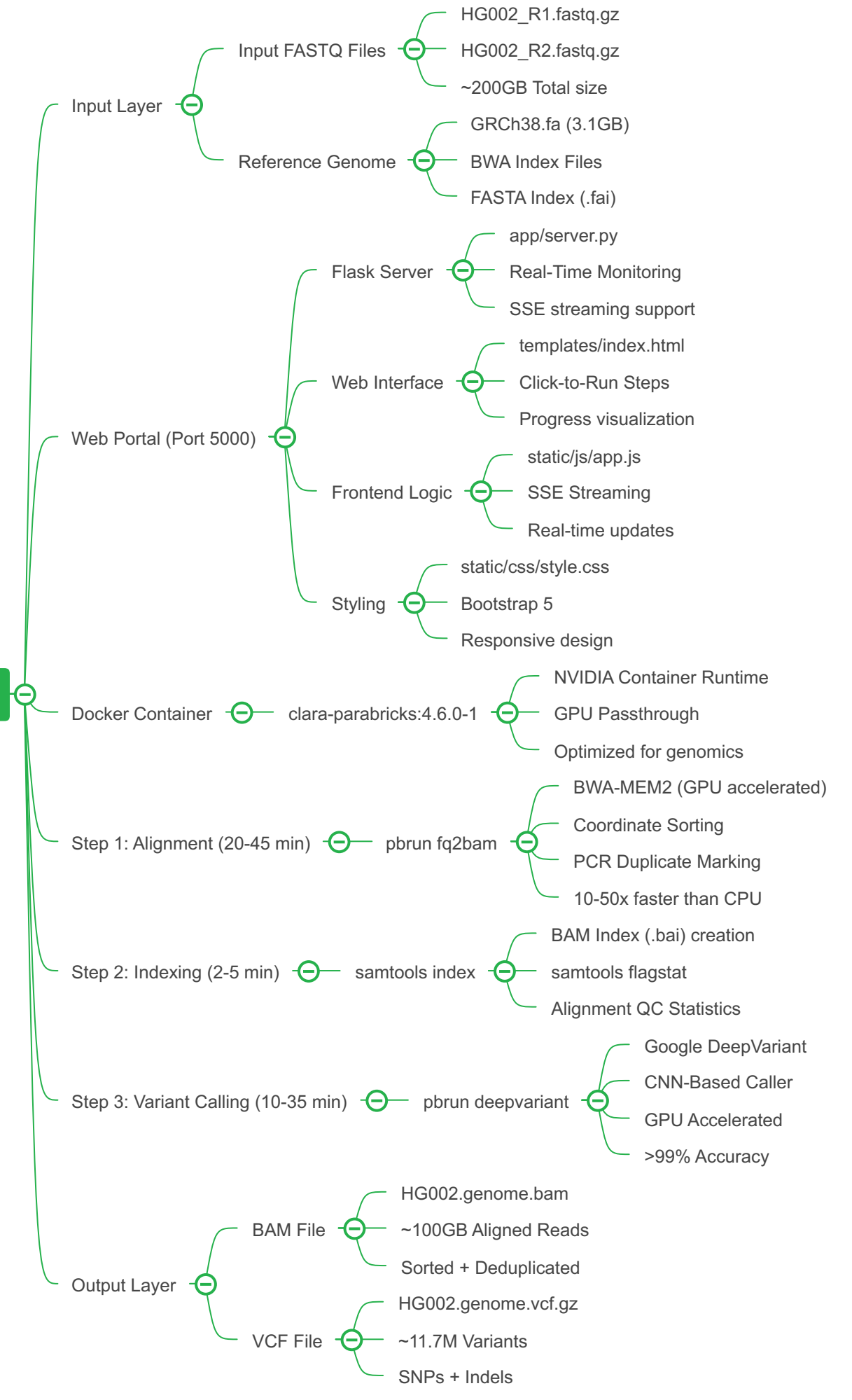
Patient Data Source



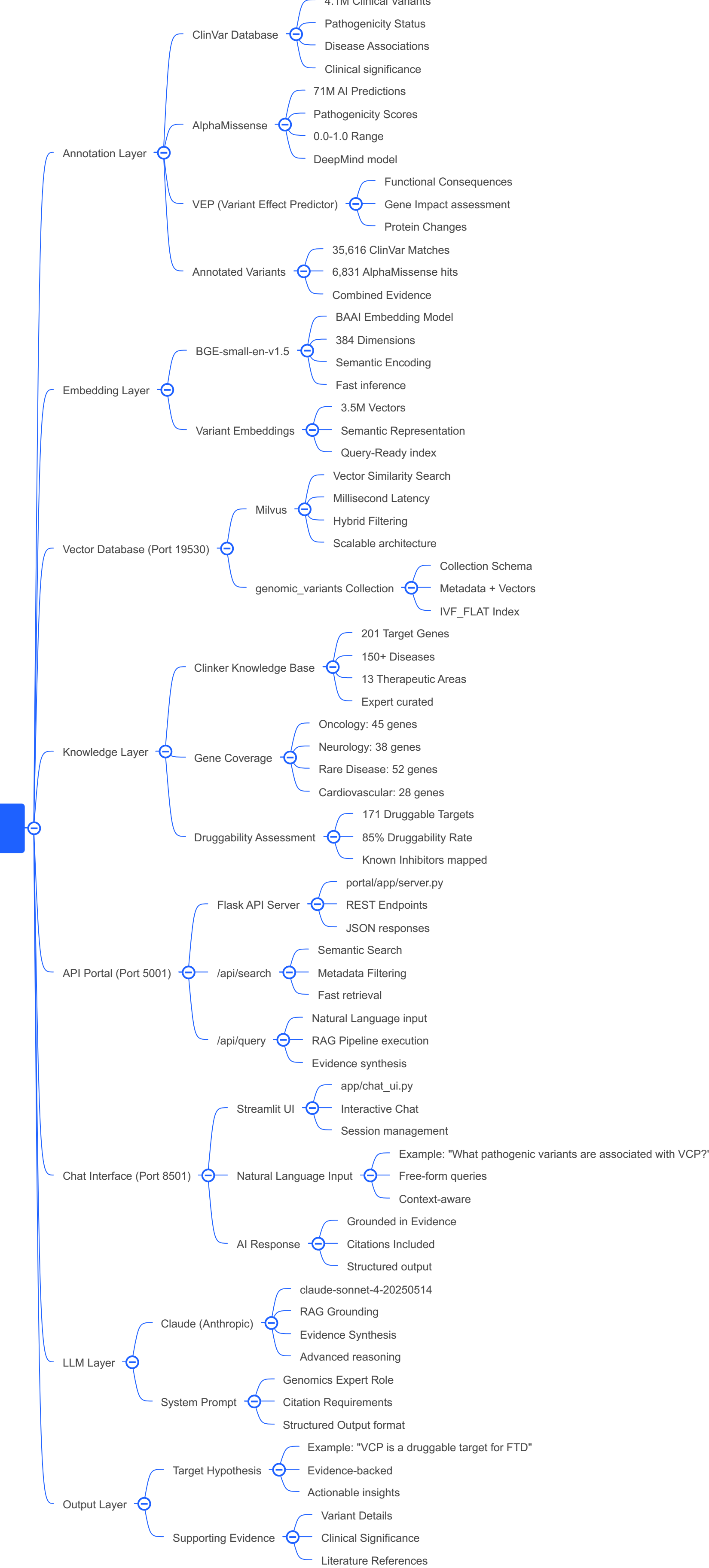
HCLS Landing Page (Port 8080)



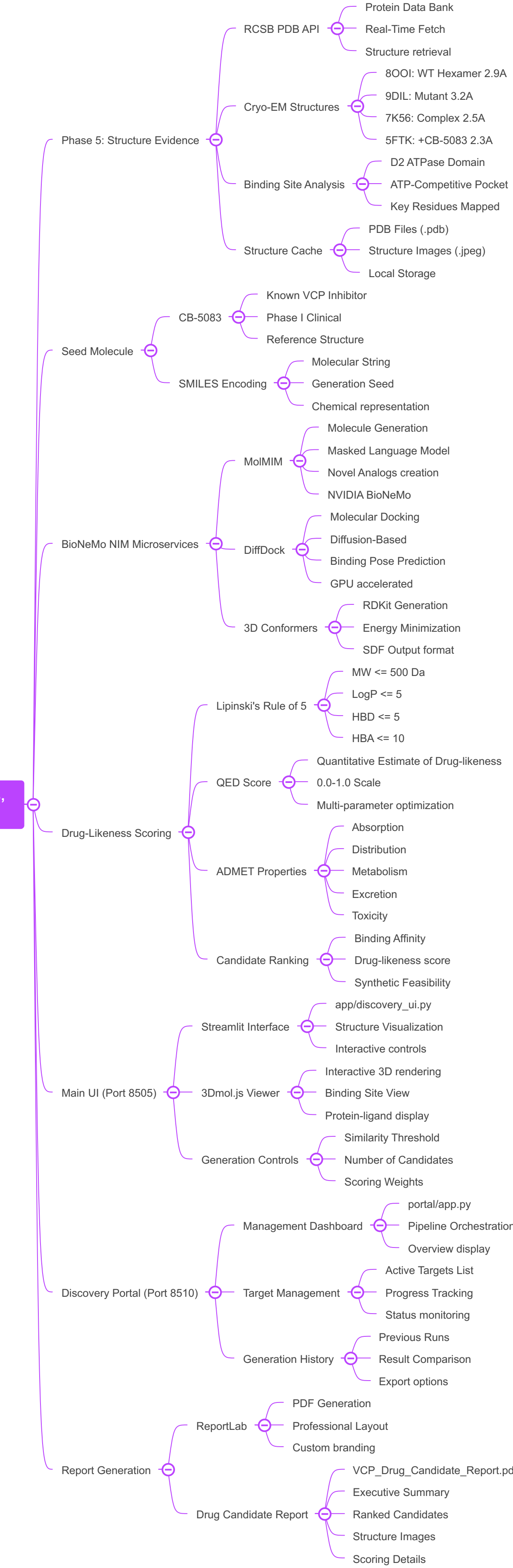
Stage 1: Genomics Pipeline (FASTQ to VCF, 30-90 Minutes)



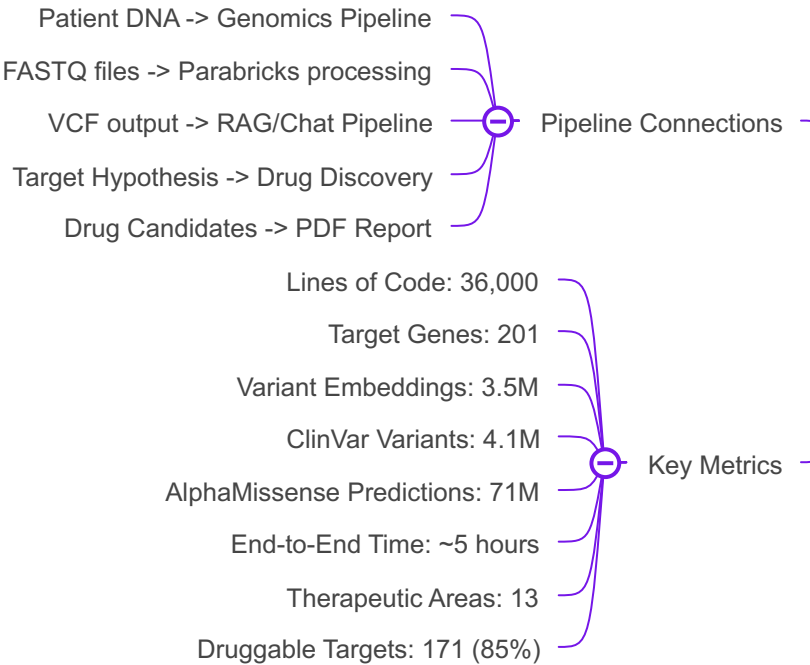
Stage 2: RAG/Chat Pipeline (VCF to Target Hypothesis, Interactive)



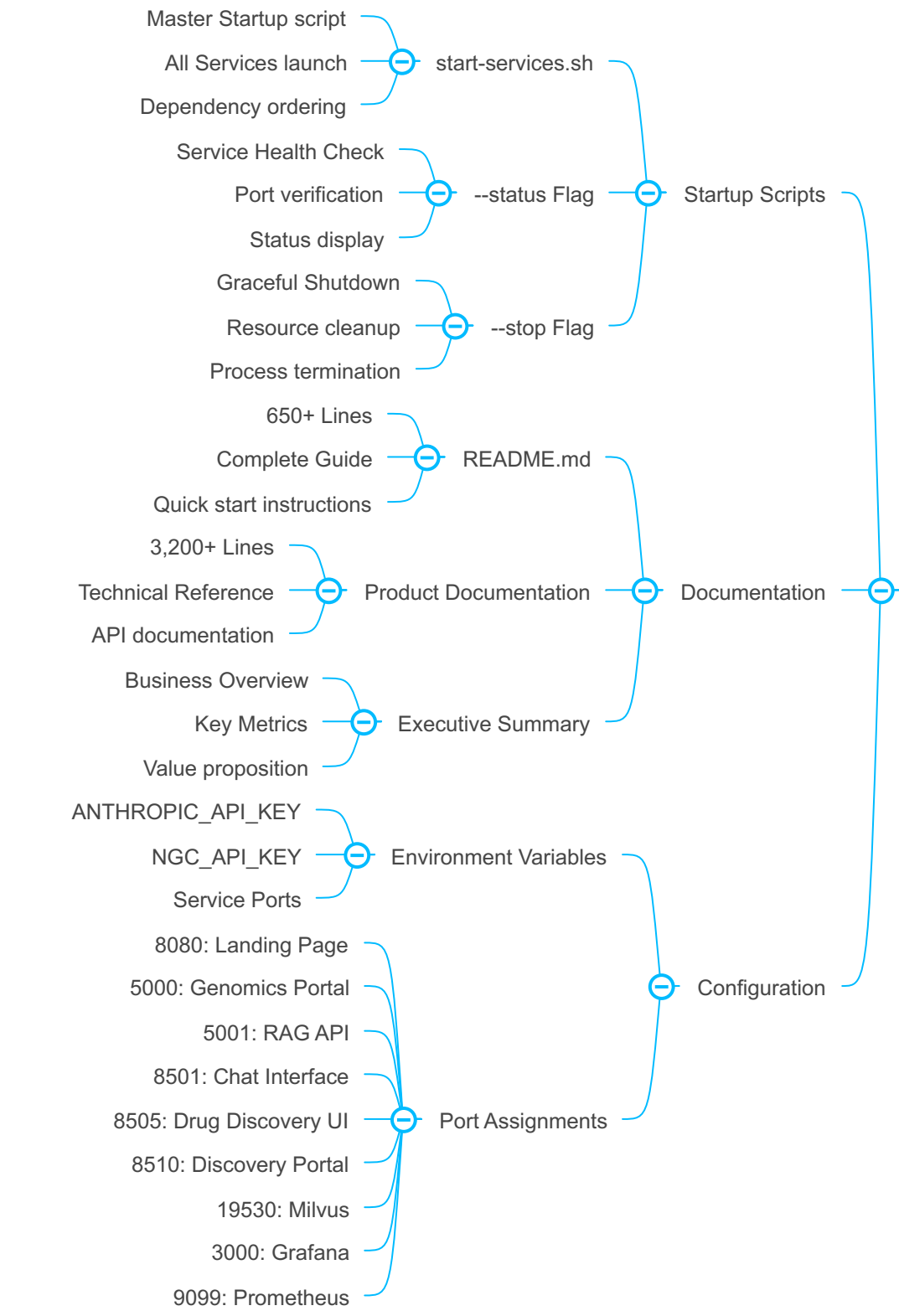
Stage 3: Drug Discovery Pipeline (Target to Drug Candidates, Minutes)



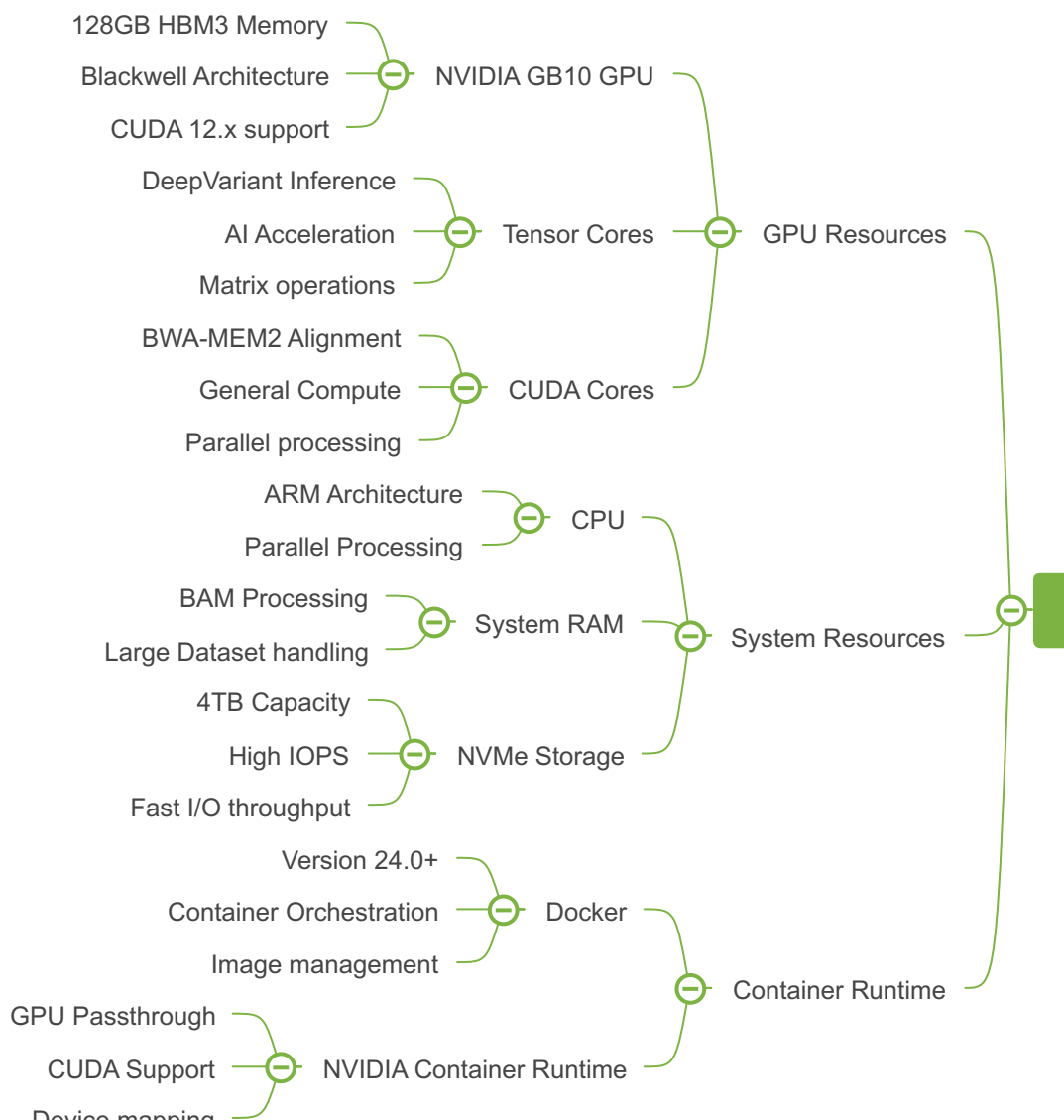
Data Flow Summary



HCLS AI Factory Orchestration



NVIDIA DGX Spark Infrastructure



Monitoring and Infrastructure

