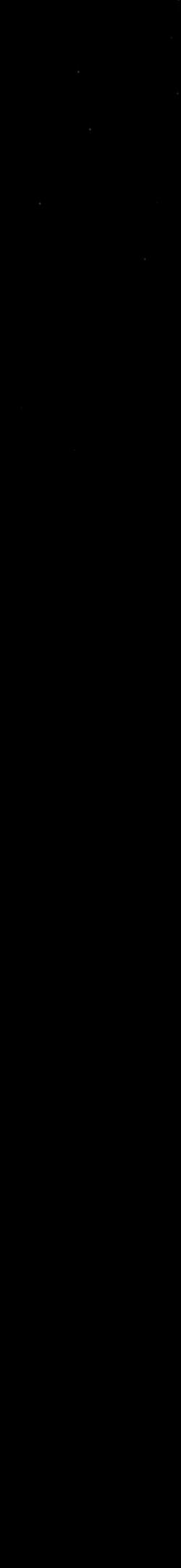
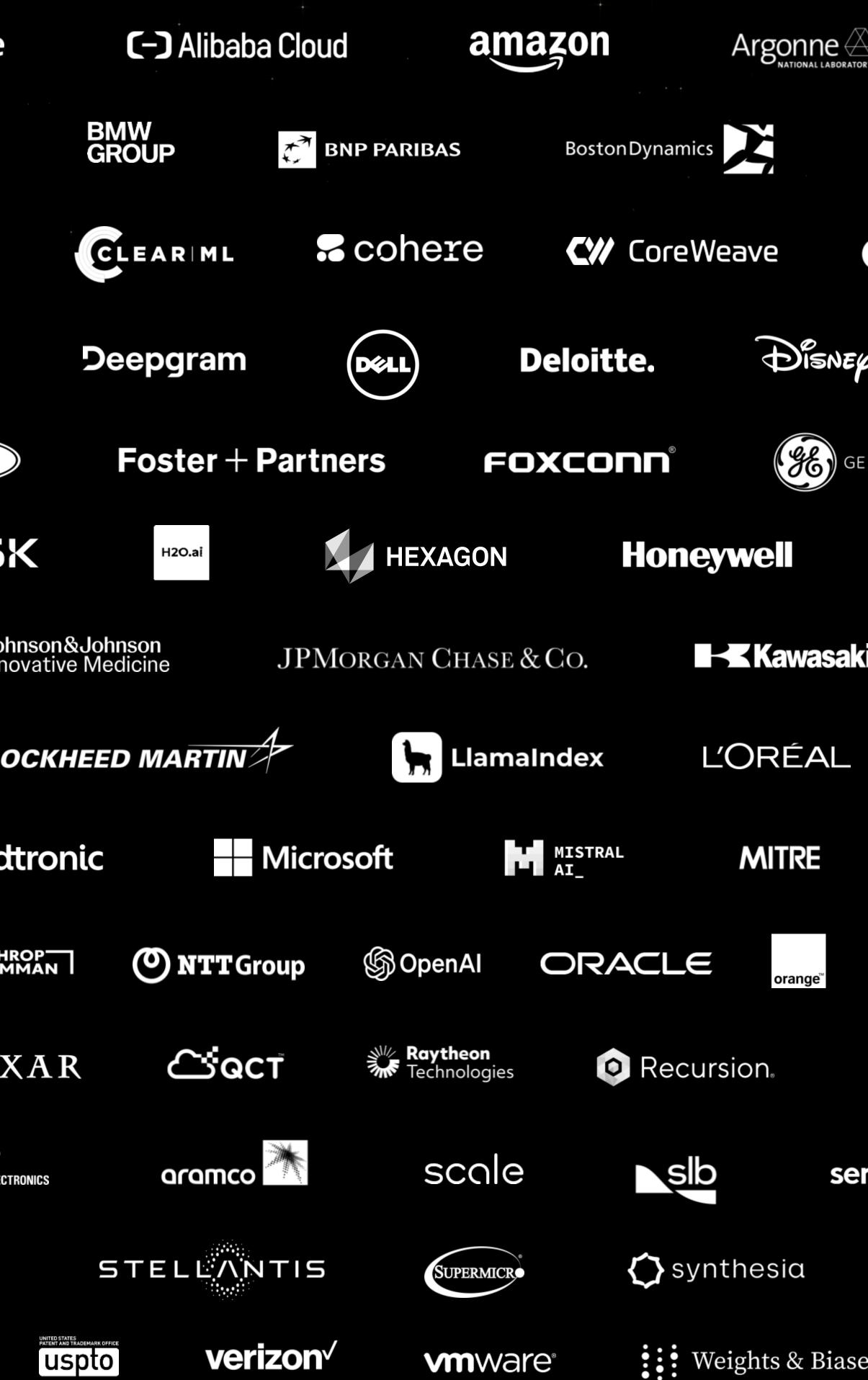




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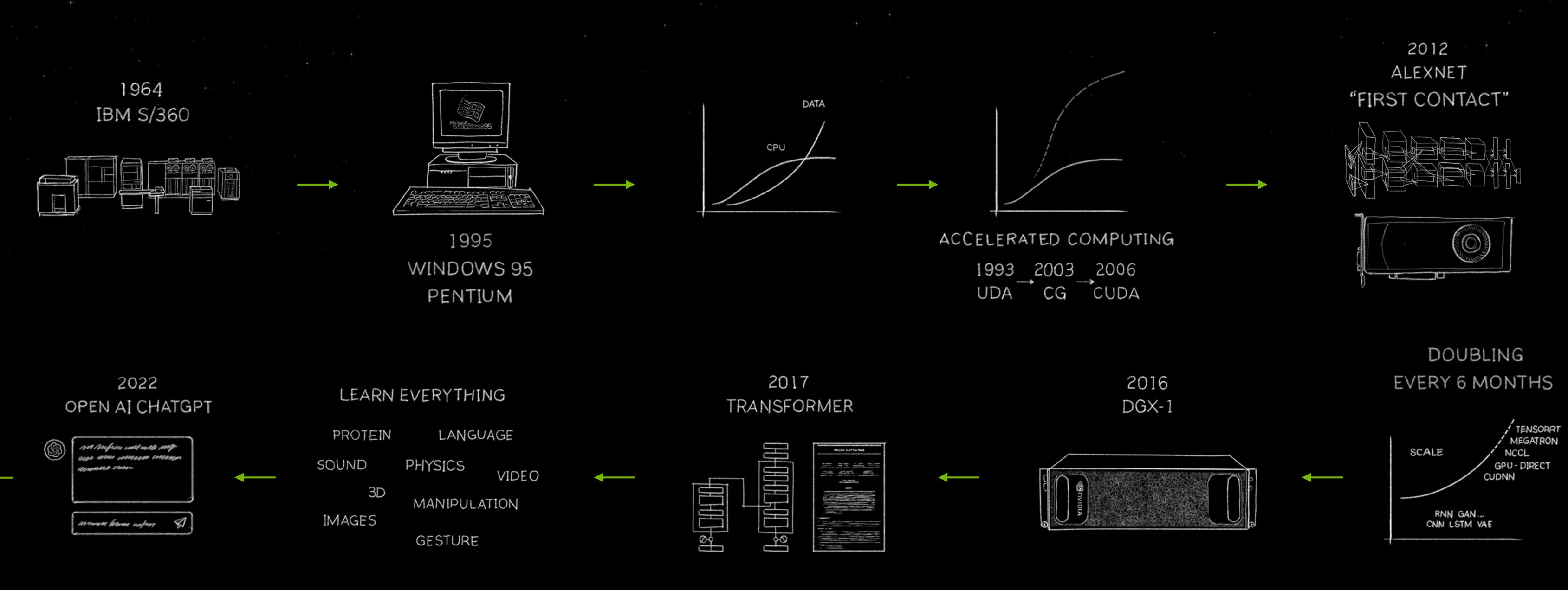


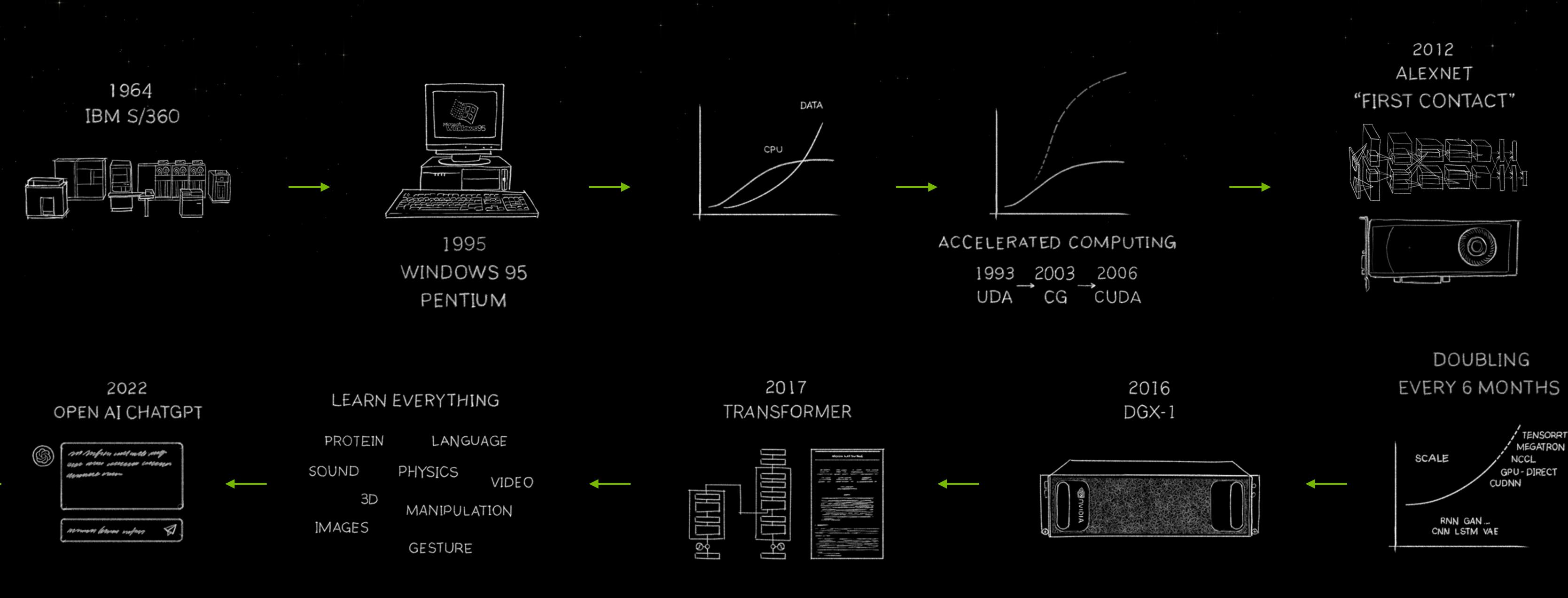
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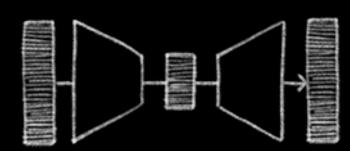




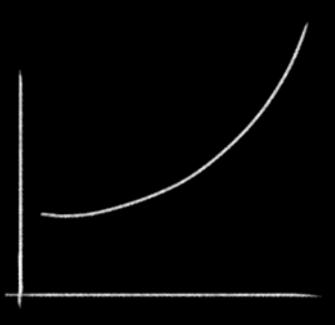


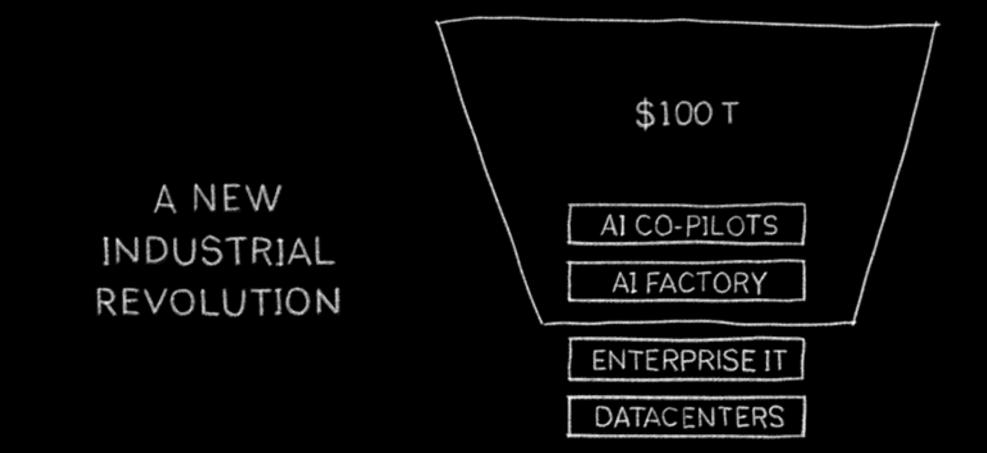
FINE TUNING GUARDRAILING ALIGNMENT PROMPT ENGINEERING RAG VECTOR DB MULTI-MODAL COT & TOT AGENTS

GENERATIVE AI



STARTUPS







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	10 <sup>8</sup>	
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	10 <sup>2</sup>	2012

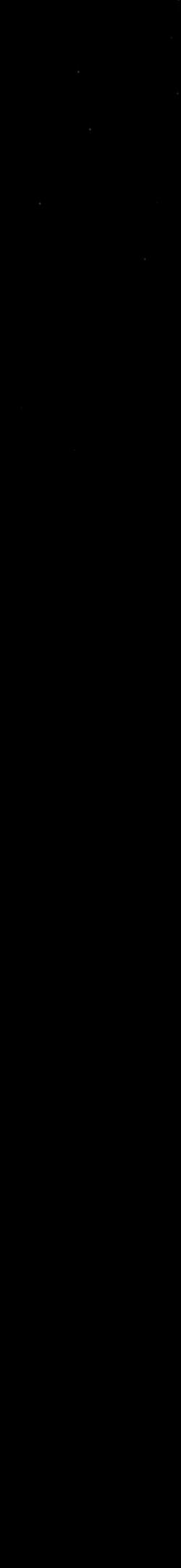
MT NLG 530B GPT3-175B • Microsoft T-NLG GPT-2 1.5B • Megatron-NLG • Wav2Vec 2.0 XLNet MoCo ResNet50 Xception BERT Large InceptionV3 GPT-1

VGG-19 Resnet Transformer ResNeXt Seq2Seq ELMo DenseNet201

2014

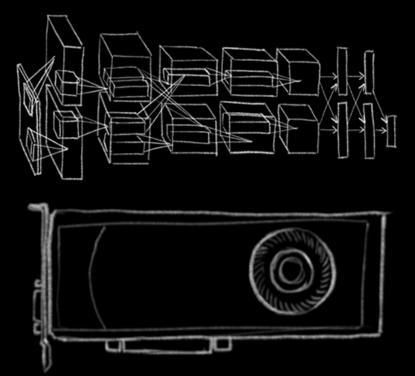












"CAT"



TEXT

IMAGE

VIDEO

TEXT

"An adorable cat in 3D confidently riding a flying, rocket-powered bike, adorned with a sleek black leather jacket."

"A close shot of a cat in a futuristic space suit confidently operating controls in the cockpit of a sci-f spaceship. The cockpit has lots of lights and holographic screens with data in cool colors. The spaceship is traveling through a warm, colorful nebula. Shot on 35mm, vivid colors.."

TEXT

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SPEECH

-

AlphaFold Protein Structure Datab

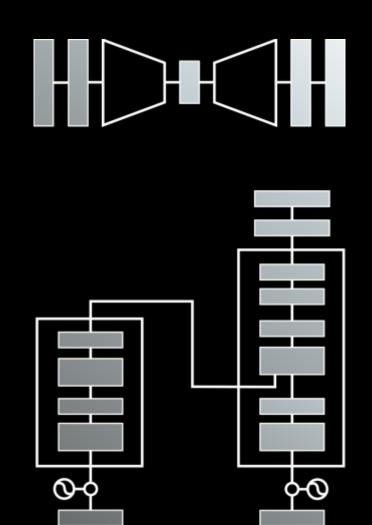
Histidine noles MENFOKVEKIGEGTYGV... Pree tatty.

AMINO ACID

BRAINWAVES

MULTI-MODAL

# LEARN AND UNDERSTAND EVERYTHING

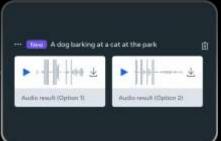












SOUND

IMAGE

VIDEO

IMAGE

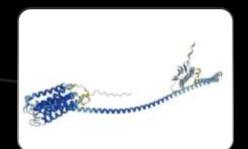
3D



ANIMATION

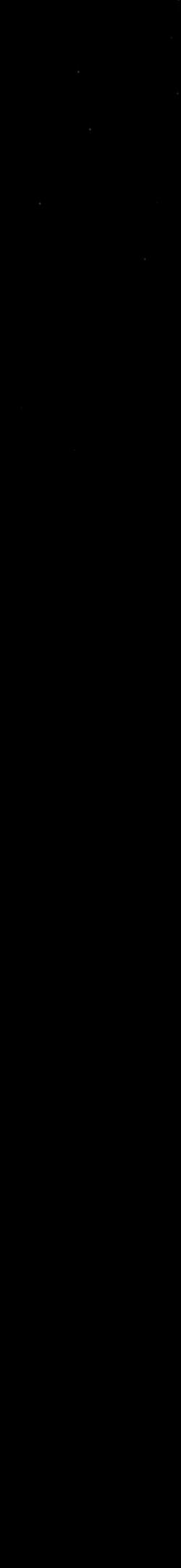


MANIPULATION











# Industry Standard APIs

Text, Speech, Image, Video, 3D, Biology

### **Triton Inference Server**

cuDF, CV-CUDA, DALI, NCCL, Post Processing Decoder

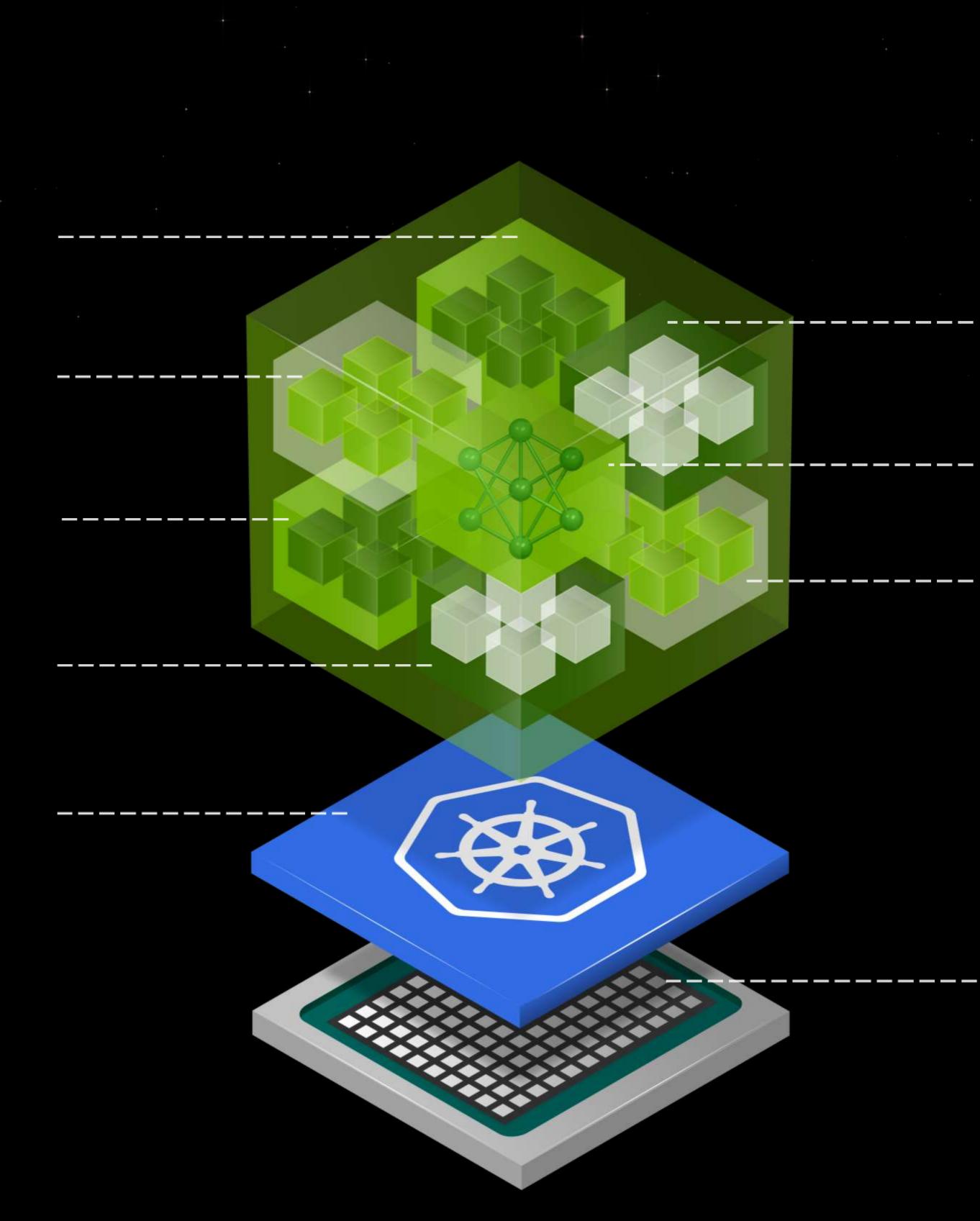
#### **Cloud Native Stack**

GPU Operator, Network Operator

## Enterprise Management

Health Check, Identity, Metrics, Monitoring, Secrets Management

#### Kubernetes



# **100's of Millions of CUDA GPUs Installed Base**

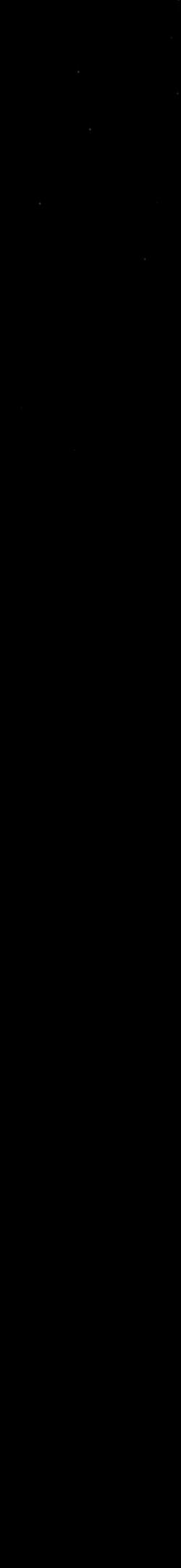
**TensorRT LLM and Triton** 

cuBLAS , cuDNN, In-Flight Batching, Memory Optimization, FP8 Quantization

**Optimized Model** Single GPU, Multi-GPU, Multi-Node

**Customization Cache** P-Tuning, LORA, Model Weights

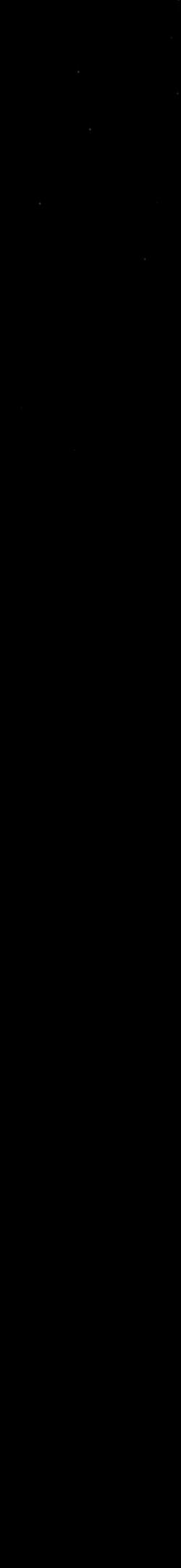
**NVIDIA CUDA** 



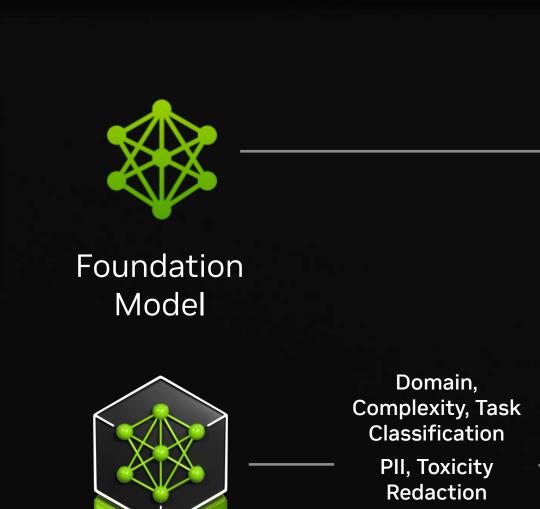


# NVIDIA INFERENCE MICROSERVICE

Pre-Trained AI Models Packaged and Optimized to Run Across **CUDA Installed Base** 



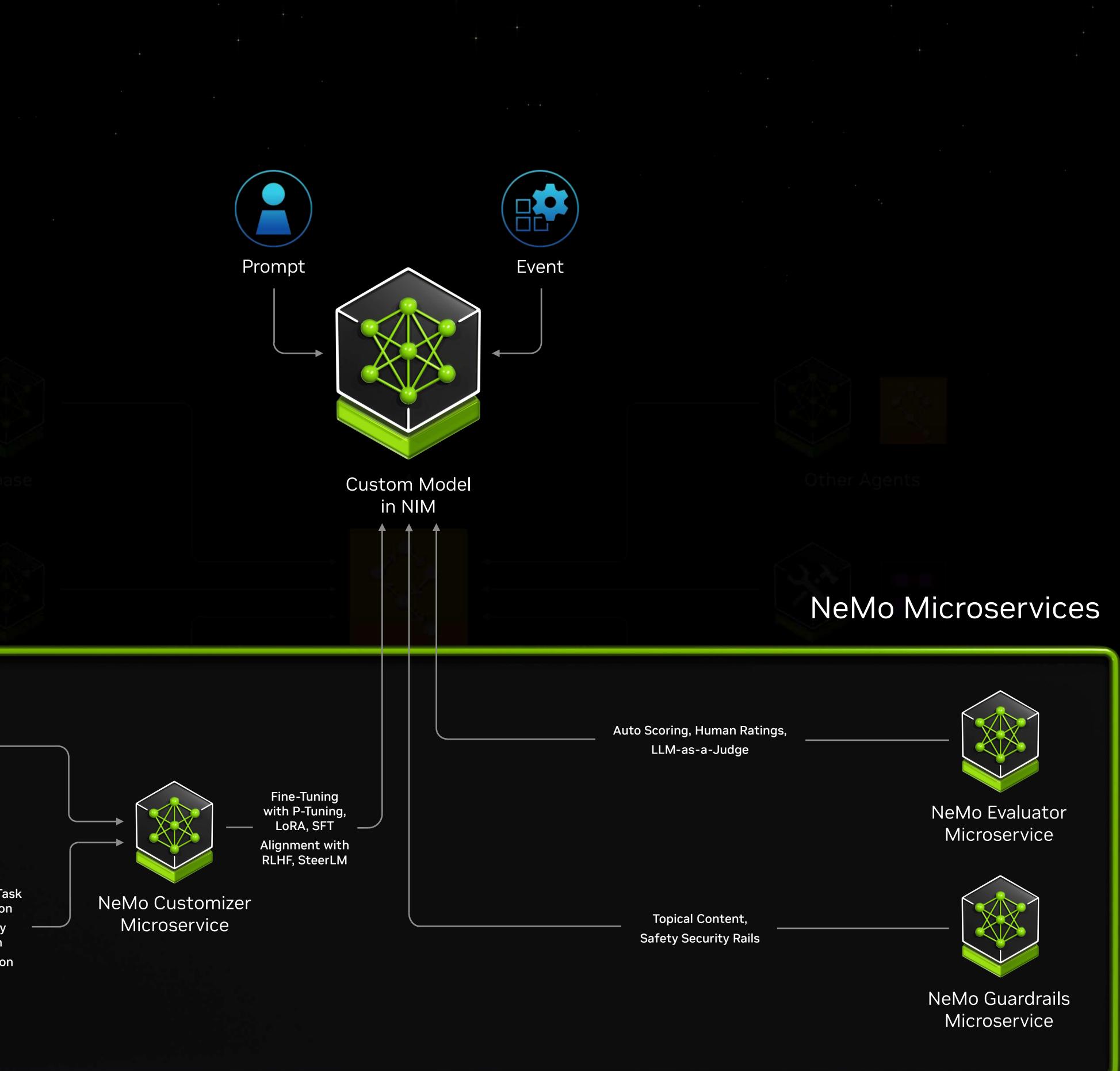




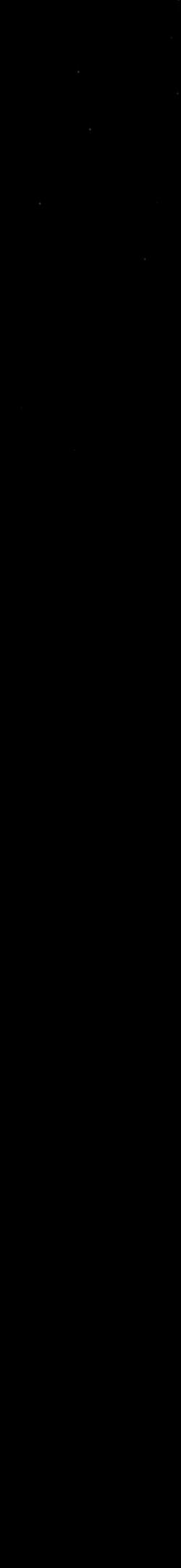
Microservice

PII, Toxicity Redaction Deduplication

NeMo Curator

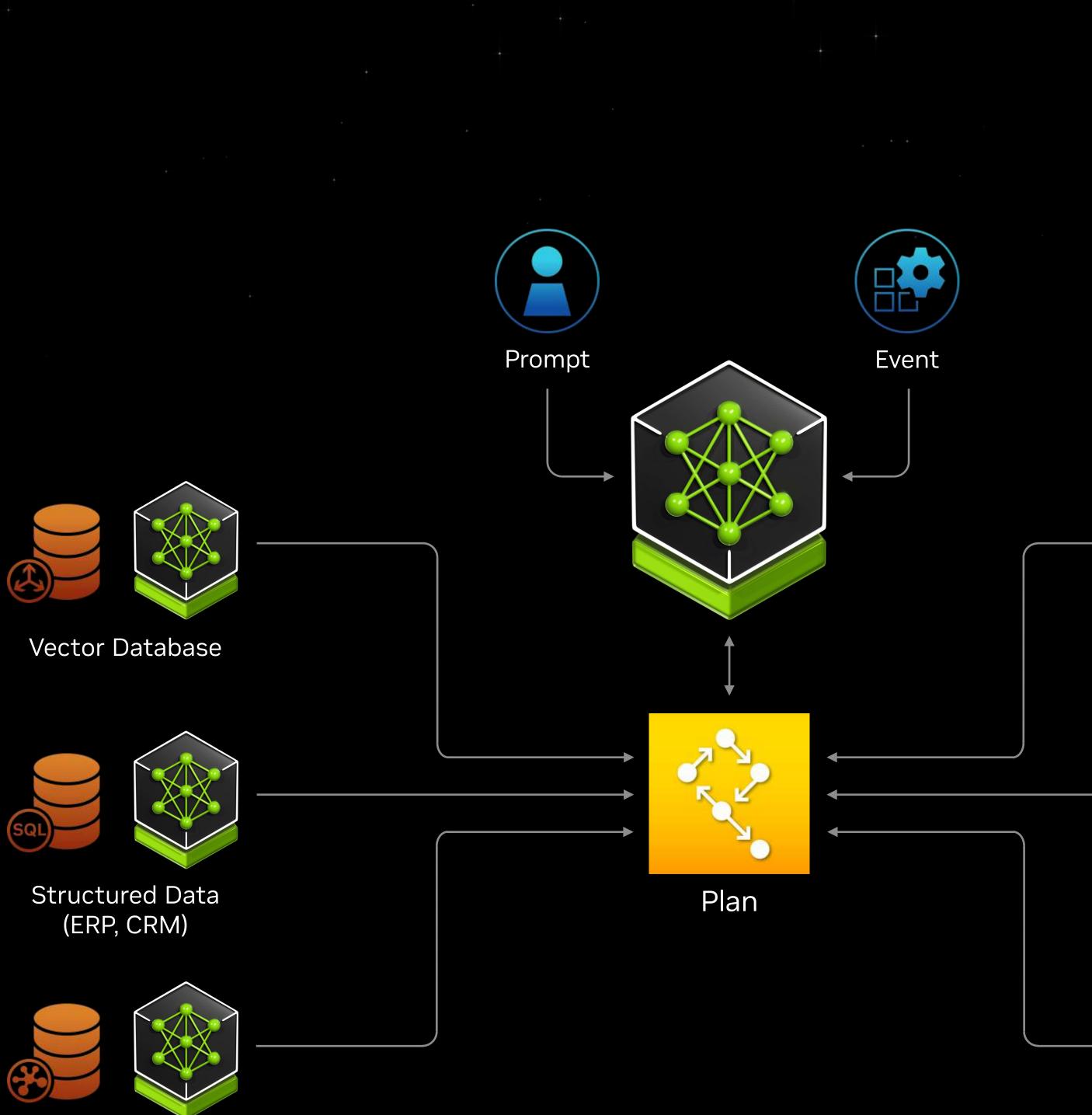




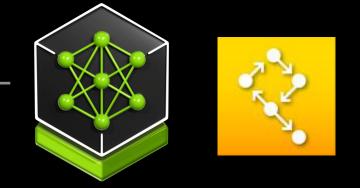








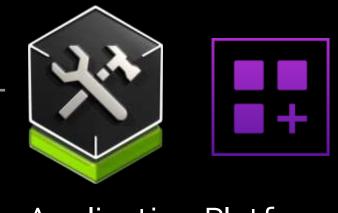
Knowledge Graph



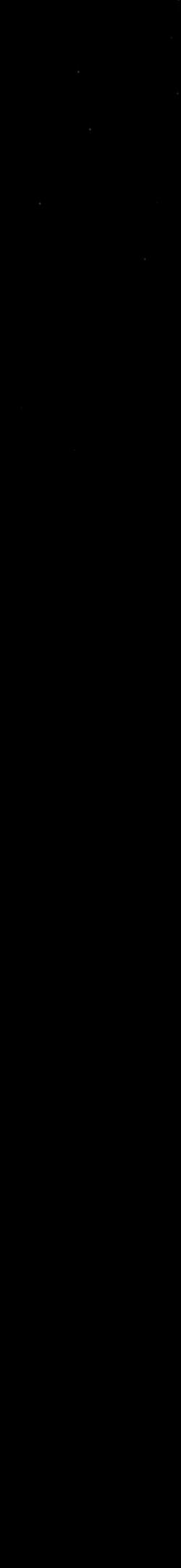
# Other Agents



# Application Platform



Application Platform

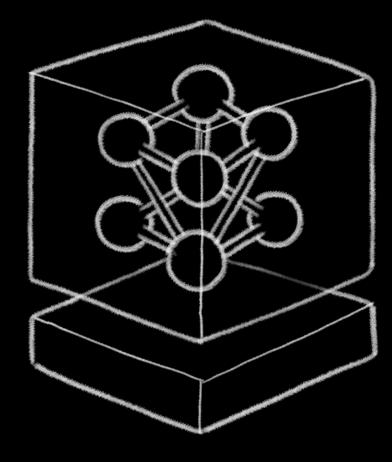




# NEW INDUSTRY

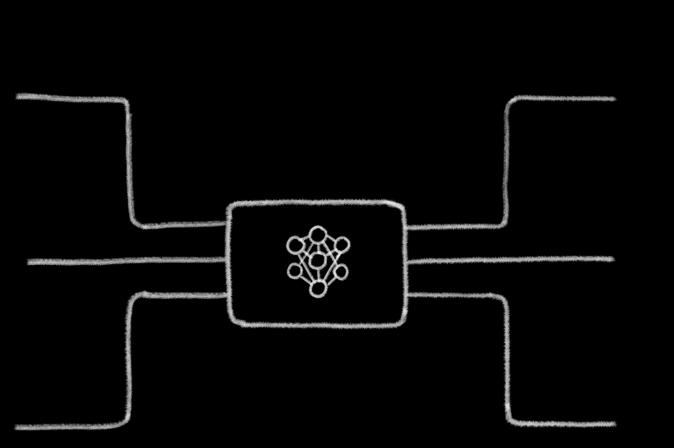


A NEW INDUSTRIAL REVOLUTION

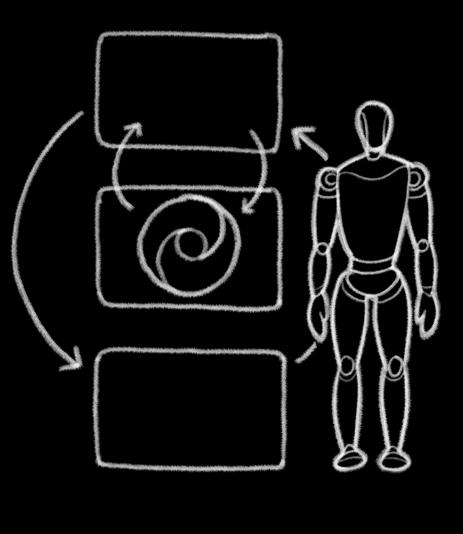


BLACKWELL PLATFORM

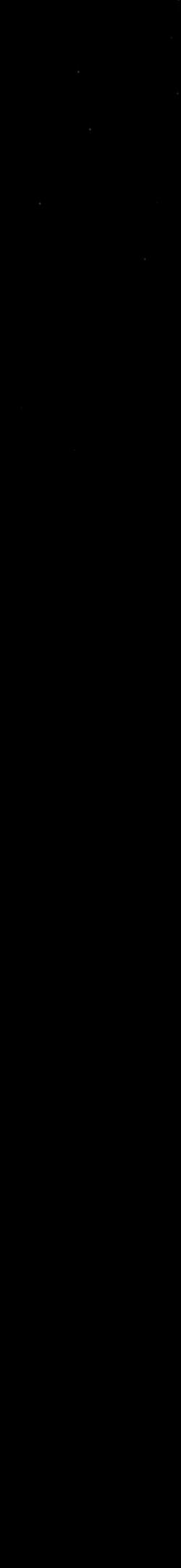
NIMs



# NEMO AND NVIDIA AI FOUNDRY



# OMNIVERSE AND ISAAC ROBOTICS



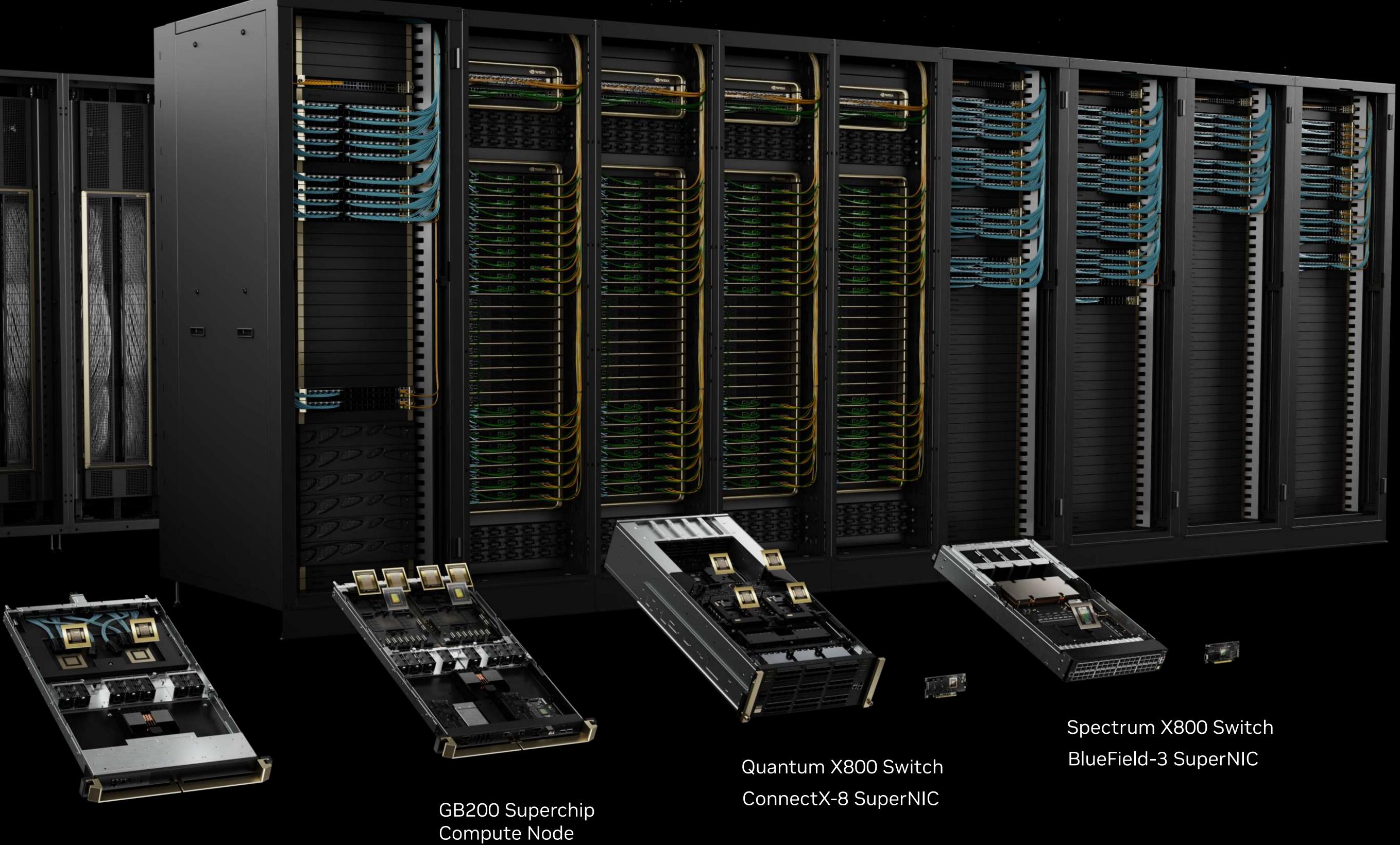






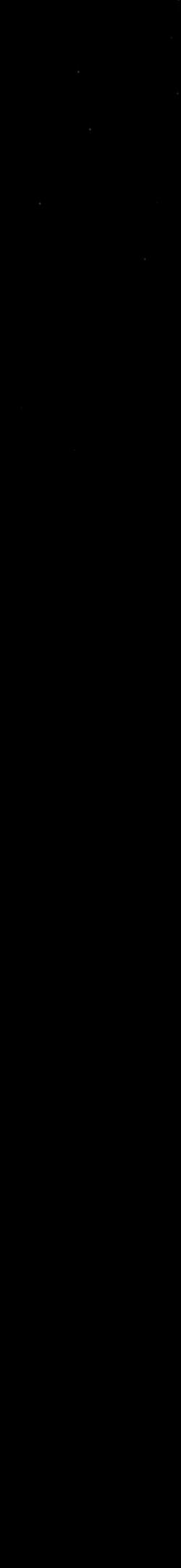








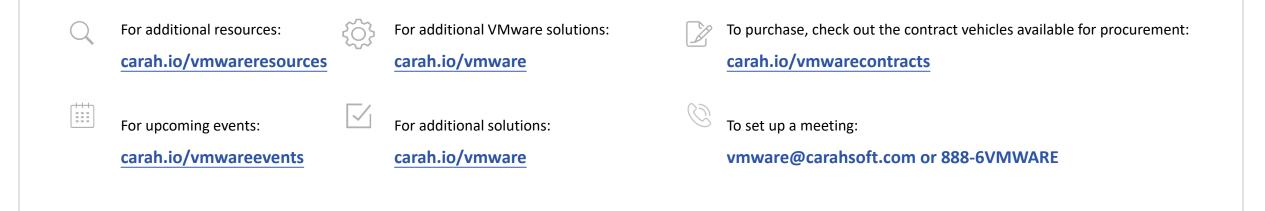
# **NVIDIA Blackwell Platform**



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