Ion Traps
IONQ.com IonQ Forte

Quantinuum
Quantinuum.com (Honeywell)

Sandia
Sandia.gov Ion trap foundry. Processor called Enchilada

Superconductors
IBM: Free quantum computing in the cloud on 127 qubit processor
quiskit quantum software

2023: Wants to build a 100,000 qubit processor
2023: Get off the hype train
2023: Osprey w/433 qubits
2023: Heron w/133 qubits
2024: Focus on noise. Making better qubits

Google Quantum AI 'Roadmap'
2022: Quantum Error correction, 100 qubits, 10^{-2} Logical Qubit Error Rate
2025: Long Lived Logical Qubit, 1000 qubits, 10^{-6} Logical Qubit Error Rate
??: Still VaporWare

Neutral Atoms
QuEra Quantum
2024 Neutral atoms, Aquila Processor w/256 qubits.
This is an Analog Processor, i. e. not scalable w/out change in paradigm
Navigate to "Understanding Aquila" for roadmap.

Spin qubits in Silicon
HRL Laboratories/quantum
2024 Spin qubits on Silicon

Photonics
PsiQuantum
2024 Photonic Quantum Computing. Extremely ambitious given what looks like an unproven design. Anybody's guess as to how fast and how far this will go.

Amazon Braket
One single place to find links to some of the Quantum Qompanies

Infleqtion Builds and sells hardware needed for Ion Trap and Atom Trap devices

Quantum Machines: Builds and sells classical controllers for quantum processors.
Example of quantum code to factorize the number 21. Requires > 1000 qubits, 400 fault tolerant gates, 14 magic-state initializations. Quantum Control at scale!