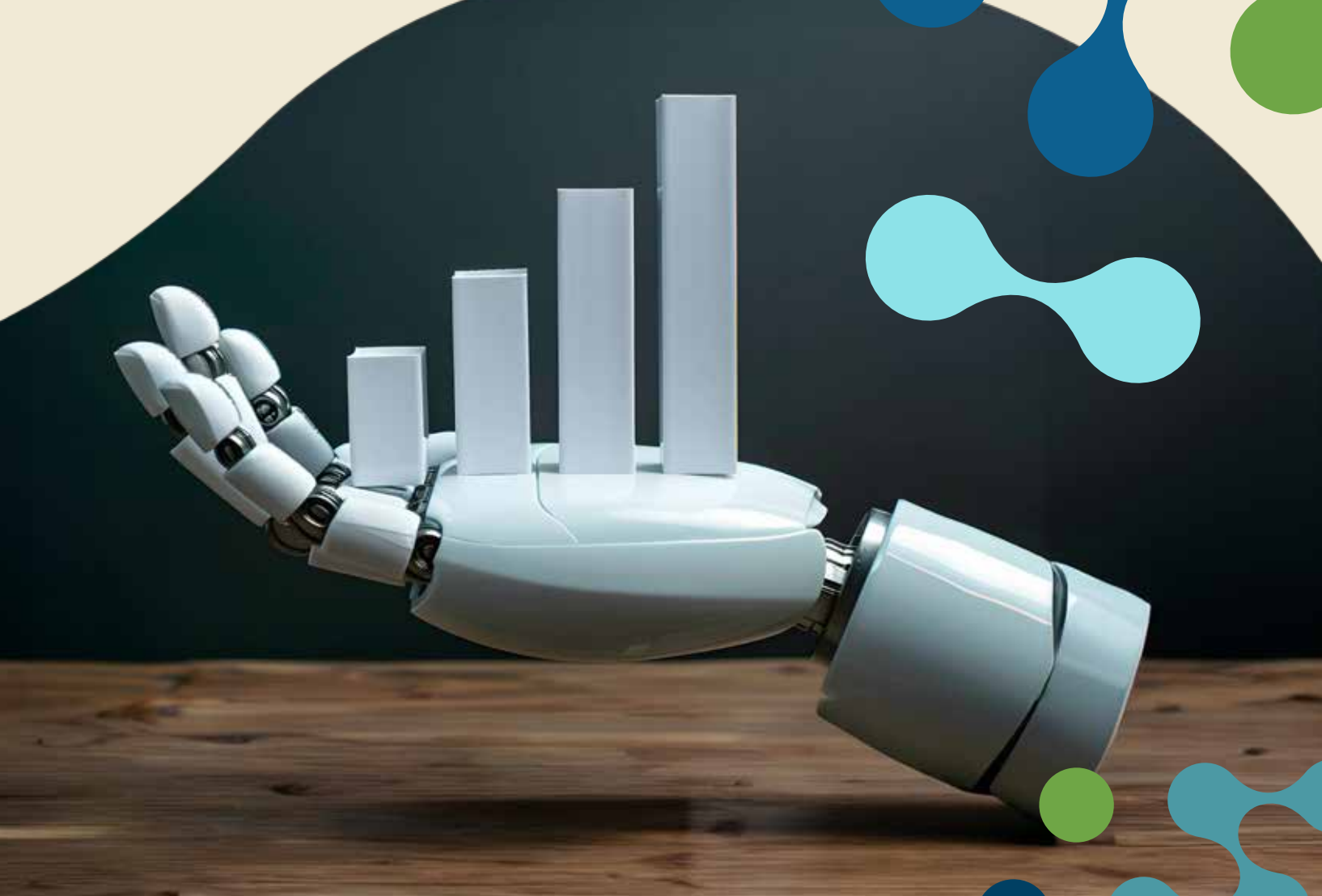


Improving GenAI Outcomes on AWS:

The Power of Graph Databases



GenAI's Explosive Growth

Key statistics:

\$7 Trillion

in global GDP growth potential
(Goldman Sachs)

\$150 Billion

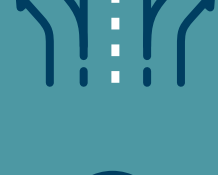
GenAI spending by 2027
(IDC)

- GenAI adoption has surged, **revolutionizing industries** with applications in CX, research, code generation, and more
- AWS leads with its **comprehensive toolset** for deploying GenAI solutions

GenAI Challenges:



- **Hallucinations** undermine credibility and trust



- **Challenges in explainability** and data source traceability hinder adoption



- **Privacy and IP risks** limit AI deployments

Graph Databases: Transforming GenAI on AWS



- Graph databases are **more flexible** and suited to complex, dynamic data relationships



- Graph databases like Neo4j support **Retrieval-Augmented Generation (RAG)** improving GenAI accuracy by connecting models to live data

Real-world Graph Applications



- **Financial Services**
Fraud detection and personalized customer experiences through knowledge graphs



- **Manufacturing**
Optimizing supply chains and reducing product development cycles with graph insights



- **Healthcare**
Drug repurposing and personalized care through identifying and understanding signals in connected data

AWS and Neo4j: GenAI Dream Team

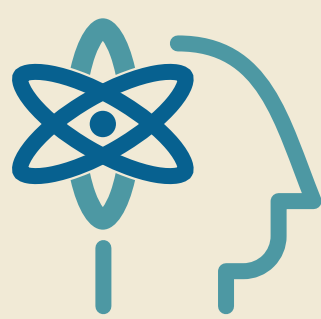
BEDROCK

AMAZON REDSHIFT

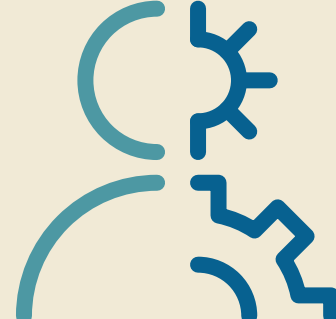
AMAZON SAGEMAKER

- AWS services and Neo4j combine to power scalable GenAI projects
- Integration allows enterprises to access real-time, accurate data and context for AI systems

Unlocking GenAI's Full Potential on AWS



By adopting Graph technologies like Neo4j, businesses can enhance transparency, performance, and ROI in their GenAI projects



Graph databases will be key to future-proofing GenAI initiatives

Better GenAI Outcomes with Neo4j

Explore GenAI with AWS and Neo4j

Unlock the potential of Graph databases to enhance accuracy, transparency, and scale for your GenAI solutions.

Visit neo4j.com/aws to learn more and to request a demo.