Articles by Industry

- AI and Machine Learning
- Business Operations
- Business Compliance
- Cryptocurrency
- Cryptography
- Cybersecurity
- Data Engineering
- Kubernetes
- Marketing
- Stock Analysis
- Quantum Computing

AI and Machine Learning

- Maximizing Efficiency: Pairing Code Generators with AI Code Reviewers
- Optimize Issue Management with CodeRabbit
- Top 5 AI Code Generation Tools
- Static code analyzers vs AI code reviewers: Which is Best?
- When Direct Mail Meets Deep Learning A Perfect Match
- Why the Future of Direct Mail Marketing is Machine Learning
- Data for AI: The Fuel that Supercharges Machine Learning
- Optimizing Data Pipelines for AI Applications
- Don’t Let Bad Data Could Ruin Your AI Dreams
- Machine Learning Data Catalogs Enhance Data Discoverability
- QCI, Millionways Partner on Quantum Computing for Machine Learning
- Quantum Machine Learning Powers Medical Diagnostics
- Quantum Computing and AI Combine for Drug Discovery
- How AI is Revolutionizing Data Collaboration

Business Compliance

- Corporate Compliance: Test of Design vs. Test of Effectiveness in Internal Controls
- Navigating Sarbanes-Oxley: A Guide to IT Compliance Essentials

- The 8 Rights of the CCPA: What are they?
- Understanding the 7 Core Principles of GDPR

Business Operations

- Mastering Inspection Dispatch and Scheduling With Technology
- Simplify Inspections: Inspection Reporting Software for Data and Compliance
- Work Order Apps Advance the Shift to Digital
- How Construction Management Software Is Transforming Jobsite Efficiency
- The Evolution of Work Orders and Maintenance Management

Cryptocurrency

- Polygon Edge: Providing Blockchain Sovereignty To Dogechain
- The Power of Cross-Chain Bridges
- How Can Value Investors Profit in the Crypto Ecosystem
- Memechainds Take Meme Coins to the Next Level
- Comdex integrates CosmWasm
- The Future of Decentralized Stablecoins
- What are Bitcoin Covenants and How Do They Work?
- What is Wrapped Ether and Why Would I Use It?
- What's In a Name? Authentic Web 3.0 Adoption is Achieved Through Vanity Domains
- What is Liquid Staking and Why Is It Important?
- How Is Cryptocurrency Taxed in the US?
- After FTX: Why Additional Oversight Is Imminent
- The Top 6 Factors to Consider When Evaluating an Altcoin
- ChatGPT: Web 3.0's Turning Point
- Investing in Virtual Properties in the Metaverse
- How Web3 Will Improve Crypto Adoption
- The Integration of Crypto Payments by Twitter is Expected
- The Next Big Thing: Conducting Crypto Transactions Offline?
- Airnode is live on Avalanche Mainnet powering Kassandra's Avalanche Social Index
- Cere Network Awarded Web3 Grant To Develop Turn-Key Private Blockchain Network
- Mars4 and Cere Network to collaborate on Metaverse Mars Exploration!

- The Race to Integrate (All) Enterprise Data Heats Up

Cryptography

- Breaking Bitcoin: ECDSA vs XMSS
- Is Bitcoin (BTC) Safe from Grover's Algorithm?
- From Scalpels to Qubits: The Story of the World's First Post-Quantum Blockchain
- More self-published at The Journal of Quantum Resistance

Cybersecurity

- Mastering Security Assurance through Hardening, Testing, and Vulnerability Management
- Revolutionizing Security Audits: Streamlining Evidence Collection for Efficiency and Cost-Effectiveness
- Navigating CMMC Certification: A Guide for DoD Contractors
- Mastering Vulnerability Management: A Guide to CVE and EPSS
- Hot or Cold? Which Wallet Is Right for You? Why Not Both!

Data Engineering

Data Migration and Modernization

- SQL Server Migration Made Easy
- Replicating MongoDB to BigQuery: A practical guide
- Teradata to BigQuery Migration: Challenges, Best Practices, and Practical Guide
- Hadoop to Snowflake migration guide
- Hadoop to Databricks Migration: Challenges, Best Practices, and Practical Guide
- Netezza to Snowflake Migration: Challenges, Best Practices, and Practical Guide
- SQL Server to Snowflake Migration: Challenges, Best Practices, and Practical Guide
- Oracle to Snowflake Migration: Challenges, Best Practices, and Practical Guide
- Overcoming legacy data migration challenges with confidence
- Building a data warehouse migration strategy for seamless cloud transitions
- Data migration risks and how to avoid them
- Replicating Postgres to Redshift: A practical guide
- Top 8 CDC tools of 2024
- How to load data from SQL Server to Snowflake

- Amazon S3 to Snowflake: A definitive guid
- Postgres to Snowflake: A Definitive Guide
- Oracle to Snowflake data migration: A complete how-to guide
- How to load Jira data into Snowflake: Step-by-step guide
- How to load data from Salesforce to Snowflake: A definitive guide
- 5 best data pipeline tools (2024 guide)
- What is data mapping?
- ETL vs ELT A side by side comparison
- Database migration: tools, strategies, and best practices
- Data lake architecture: A comprehensive guide
- ETL process: From data to decisions
- Best 7 ETL tools of 2024
- A Modern Data Migration Framework for AI-Powered Success

Improving Data Quality and Making Transformations Easier

- Optimize ETL Processes with dbt
- Using the dbt semantic layer to easily build semantic models
- dbt seeds What are they and how to use them
- Crafting a data quality scorecard
- Data quality moat, this is your guide
- What is a data catalog?
- What is data validation?
- Data quality checks: Why you need them
- Data warehouse modernization starts with automated validation

Understanding Databases and How We Store Data

- PostgreSQL vs. MySQL: What you need to know
- What is a database? Definition, types & examples
- Star schema vs. Snowflake: Choose the right fit
- Data marts: 2025 Guide
- A deep dive into data lakes
- What Is The Modern Data Stack?
- Data lakes vs databases: Key differences explained
- The top 7 data lake tools of 2024
- What is a data lake?
- Database replication: Definition, types, and setup

Making Data Usable and Actionable

- Digital marketing analytics: An introduction
- What is data transformation?: A quick overview
- Top 8 data transformation tools of 2024
- What is a data transformation tool?
- What is data migration?
- Data Extraction: Everything you need to know
- Data integration: Definition and guide
- What is cloud data integration?
- What is data governance?
- Top 7 data analytics tools of 2024

Sharing Data Across Teams and Partners

- 5 epic fails prevented by data collaboration
- Enhancing Data Exchange with Data Provisioning Processes
- Data Provisioning vs ETL: What's the Difference?
- Data Sharing Made Easy with Delta Sharing
- What's the Difference Between a Data Exchange and a Data Marketplace?
- Exploring Data Request Automation in Advanced Data Exchanges
- External and Internal Data Differences in the Data Marketplace
- How Data Marketplaces Shape Modern Data Products
- How Data Marketplaces Optimize the Data Request Process
- Snowflake's Data Exchange: Transforming Data Collaboration
- Strategic Data Sharing Enhances Data Product Outcomes
- The Hidden Costs of Poor Data Provisioning
- The Untold Advantages of Using Internal Data in Sharing Platforms
- Unlocking the Value of Partner Data in Business Analytics
- Why a Data Marketplace Isn't Enough

Building and Managing Data as a Product

- Data Mesh Principles: A New Approach Data Management
- Data Mesh: The Future of Data Management
- Data Productization: Transforming Business Success through Enhanced Data Services
- The Role of Data Products in Data Analysis and Data Visualization
- Data Products in Action: Examples and Insights
- How to Build Data Products that Work
- How to Build a Robust Data Product Using Your Organization's Internal Data

- Unlocking Business Value: Data Discovery in a Data Mesh Environment
- What is a Data Product?

Creating a Data-Driven Culture

- What a Data Driven Organization Must Look Like
- Data Ecosystem Excellence: A Guide to Peak Performance
- Data Enrichment and the Rise of the Customer-Centric Company
- Best practices for data requests
- Best practices for self-service analytics

Data Analytics

- Maximizing the Power of Data Catalogs With Revelate and Alation
- The 6 Most Common Data Quality Issues
- The Key to Data Insights: Exploring the Benefits of Automated Data Lineage
- Understanding Data Lineage and Data Catalog
- The Data Ecosystem Explained: From Basics to Benefits
- How Data Collaboration Transforms Raw Data Into High-Value Business Intelligence

Kubernetes

- Kubernetes Compliance with ISO 27001: A Strategic Imperative
- Kubernetes Challenges: Container Orchestration and Scaling

Marketing

Direct Mail and Omnichannel Marketing Strategies

- Planning for 2025: Optimize your Omnichannel Marketing
- When and How to Add a New Channel to Your Marketing Mix
- Direct Mail Tactics for Effective Prospecting
- Why Direct Mail Should Be One of Your Primary Channels
- How Direct Mail Works Alongside Digital Marketing
- Acquisition Marketing During the Holidays
- How to Optimize Ad Spend During Holiday Seasons, Especially During Election Year
- How To Market During an Election Season
- A Timeline for Holiday Direct Mail Success

- 5 Tips for Your New Year New You Approach
- Is Direct Mail Brand Safe?
- Executing High-Impact Direct Mail with Trigger Campaigns
- Postie's Storefronts: Enhance Targeting & Efficiency

Using Data to Drive Better Campaigns

- Level-Up Your First Party Data with CRM Optimization
- Cluster and Segment Your First Party Data Effectively
- Data Science Insights: Blending First- and Third-Party Data
- Segmentation Strategies for Effective Direct Mail Campaigns
- What are Lookalike audiences?
- Level Up Your Lookalike Audiences
- Home Addresses: Key to Precision Marketing
- A Closer Look at Data Model Development
- Harness Retail Media Potential with a Customer-Centric Approach
- Why First-Party Data is More Important than Ever

Measuring What Matters

- Mastering Incrementality Across Marketing Channels
- How to Use Incrementality Metrics to Inform Media Mix Decisions
- Harnessing Incrementality and Data Science to Drive Results
- Metrics That Matter: Measuring Direct Mail
- 5 Metrics that Matter just as much (or more) than ROAS
- Optimizing Your Direct Mail ROI: Tips and Strategies
- How to Increase LTV and Spend Smarter
- Strategies to Optimize the Cross-Channel Customer Journey

Direct Mail Innovation

- The Rise of Retail Media Networks
- The Power of Algorithms in Direct Mail Marketing
- Level-Up Your First Party Data with CRM Optimization
- Automation and Direct Mail: Streamlining Your Campaigns
- Maximizing Customer Retention with Direct Mail Strategies
- Why Personalized Direct Mail Boosts Customer Engagement
- Maximize Customer Engagement with Performance Direct Mail

Stock Analysis

- Can Digital Ocean Keep Up Its Strong Growth
- Powered by AI, UiPath Is Gaining Strength
- Snowflake Stock Now Attractive After 30% Tumble
- Arista Networks Betting On Innovation to Outpace Rivals
- Crowdstrike Stock Skyrocketing ARR, Strategic Alliances Fuel Growth
- Super Micro Computer Stock: Massive Growth Makes It Undervalued
- Iron Mountain Stock (NYSE:IRM): For Investors Seeking Value and Income
- ServiceNow Stock: Why the High Valuation Is Worth It
- Eli Lilly Stock (NYSE:LLY): Bullish on Innovation and Pharmaceutical Success
- Snap Stock (NYSE:SNAP): Growth Trajectory Is Mixed after Recent Setbacks

Quantum Computing News

National Strategies and Funding Initiatives

- US Government Renews Quantum Initiative Act
- UK Government Awards $19M to Quantum Projects
- DOE Awards $24 Million for Quantum Network Research
- Germany Launches $3.3B Quantum Technology Plan
- Australian Government Unveils National Quantum Strategy
- India Launches $735M National Quantum Mission
- Canadian Government Awards $51M to Quantum Projects
- Government of Canada Launches National Quantum Strategy
- CHIPS Act Helps Fund US Quantum Chipmaking
- Irish Government, EU to invest €10m in quantum communications network
- Australia Funds $3.6M Initiative to Fuel Quantum Tech Breakthroughs
- US Department of Energy Announces $9.1M in Quantum Funding
- Australian Government Awards IBM $725M Quantum Deal
- Israel Innovation Authority Funds New Quantum Computing Consortium

Defense, Cybersecurity & International Cooperation

- Biden Administration Designates Chicago, Colorado Quantum Tech Hubs
- U.S. Senate Passes Quantum Computing Cybersecurity Act
- US Eyes China Quantum Tech Export Controls
- Canadian Armed Forces Releases Quantum Strategy
- President Biden Signs Post-Quantum Cybersecurity Guidelines into Law

- White House Instructs Agencies to Prepare for Quantum Attacks
- US National Defense Authorization Act Includes Quantum Pilot Program
- US, India Launch Joint Quantum Initiative
- DARPA Launches Five-Year Program to Study Novel Quantum Computers

Academic Research Collaborations

- SoftBank and University of Tokyo Collaborate on Quantum Research
- IBM, NQCC to Offer Researchers Quantum Computing Access
- Australia, UK to Collaborate on Quantum Innovation
- NYU, Qunnect Achieve 10-Mile Quantum Network Test
- US and India Strengthen Quantum Ties
- University of Michigan Establishes $55M Quantum Research Institute
- PsiQuantum Opens UK-Based Research Facility
- AWS, Harvard Form Quantum Alliance
- IIT Madras joins IBM Quantum Network
- JP Morgan Chase Joins Quantum Research Center
- Q-CTRL, USGS Bring Quantum Technology to Geosciences
- Partnership Aims to Boost Korean Quantum Ecosystem
- Partnership Offers Researchers Access to Quantum for Drug Discovery
- QI Solutions Quantum Computing Joins Center for Quantum Technologies
- Researchers Develop Cameras to Visualise Quantum States
- German Aerospace Center Launches Quantum Materials Simulation Project
- Canadian Partnership Targets Quantum Computing Education and Research

Industry Research Collaboration

- PsiQuantum, SLAC Team to Reduce Quantum Cooling Requirements
- Machine Learning Paves the Way for Quantum Computing Error Correction
- Accenture, SandboxAQ Collaborate on Quantum-AI Cybersecurity
- Microsoft, PsiQuantum Progress to Stage 2 of DARPA Quantum Program
- Fujitsu and Osaka University Make Error Correction Breakthrough
- Nvidia, Rigetti Team on Quantum Hybrid Climate Modeling
- Microsoft Facilitates Quantum-Classical Integration
- Photonic, Microsoft Collaborate on Quantum Computing, Networking

Corporate Investments, Partnerships & M&A

- Zapata Goes Public via Merger with Andretti Acquisition Corp.
- KPMG joins IBM Quantum Network

- Bosch and Porsche Lead Quantum Motion Investment Round
- Tata Consultancy Services Launches AWS Enterprise Quantum Lab
- Moody's Launches Quantum Group
- Quantum Businesses Forge Alliance
- QNu Labs Secures $6.5M Funding
- SandboxAQ Completes $500M Funding Round
- Oxford Ionics raises $36M to scale trapped-ion quantum technology
- ColdQuanta announces $110M Series B Funding
- Classiq, OQC Join Forces to Simplify Quantum Development
- Beyond Limits and IQM Quantum Computers Partner on Quantum with AI
- Rigetti and ADIA Lab Collaborate on Quantum Financial Solution
- Dell Launches Toolset to Better Integrate Quantum Computers
- Microsoft Releases Azure Quantum Resource Estimator
- JP Morgan Trials Quantum for Trading, Risk Management
- Troubled Rigetti Lays Off 28% of Staff, Hires New CFO and CTO

Quantum Hardware, Systems & Infrastructure

- IBM Breaks Ground on First University-Based Quantum System One
- Pasqal to Open a Quantum Computer Factory in Canada
- IonQ to Provide Two Generations of Quantum Systems to QuantumBasel
- Japan to Make its First Quantum Computer Available Online
- Italy Gets its First Quantum Computer
- Czechia to Host its First Quantum Computer
- Canada Gets Its First IBM Quantum System One Computer
- Quebec Plans IBM Quantum Supercomputer
- Taiwan Targets Domestic Quantum Computer by 2027
- IQM Unveils Plans for 150-Qubit Quantum Computer
- Rigetti sells first QPU, announces roadmap to 336 qubits
- Infleqtion to Manufacture the UK's First Quantum Optical Atomic Clock
- Supercomputing Sites to Get Europe-Made Quantum Computers
- University Set to be First to Host IBM Quantum System One
- Canada Grants Xanadu $30M to Advance Quantum Computer Development
- First Chinese Quantum Computer Sale Reported
- Europe's Fastest Supercomputer Adds Quantum Power
- World's First Portable Quantum Computer Enters Retail Market

Quantum Tools, Capabilities, & Platform Innovation

- Quobly Raises $21M to Advance Silicon Spin Technology
- IBM Introduces Quantum-Safe Technology, Roadmap
- IBM Runs Largest-Ever Quantum Program
- Quantinuum Claims Fault-Tolerant Quantum Computing Advances
- PsiQuantum, Mitsubishi Tap Quantum for Sustainable Technologies
- D-Wave Launches Quantum Toolset on AWS Marketplace
- Robotic Arm Developed to Support Quantum Research
- T-Systems to provide access to IBM quantum computing resources
- German Aerospace Center to Co-Develop Quantum Processors
- Photon Breakthrough Could Deliver Quantum Comms, Sensors

Quantum Sector-Specific Applications in Industry

- Quantum Slated to Better Maneuver Missiles
- Oil and Gas Industry Explores Use Cases for Quantum
- Quantum Harnessed for Pricing Complex Financial Derivatives
- Quantum Research Targets More Efficient Solar Cells
- Nvidia, Rolls-Royce, Classiq Tap Quantum for Jet Engine Design
- Ford Taps Quantum for Future EV Battery Development
- Quantum Computing Optimization Used to Develop Cooling Window Coating
- Quantum Tapped for HVAC Optimization
- Fujitsu Quantum Research Promises Cheaper Clean Hydrogen
- Zapata Partners on Research Quantum Computing for Pharma
- UBS Launches Quantum Sustainability Initiative
- German Aerospace Center Launches Quantum Climate Modeling Initiative
- IonQ to Offer Quantum Services in Europe via Management Consultancy
- D-Wave, Davidson Technologies Unveil Defense Initiatives
- Quantum Computer Slows Chemical Process 100 Billion Times
- Indian Railways Aims to Modernize with Quantum and AI
- Study Finds Quantum Computing May Radically Alter Life Sciences
- Wellcome Leap Announces $40M Quantum Health Care Initiative
- D-Wave Explores Quantum for Advertising

Security & Cryptography

- Google Introduces Chrome Quantum Attack Protection
- SoftBank and SandboxAQ Successfully Apply Hybrid Quantum Encryption
- Fujitsu tests RSA cryptography for quantum security
- France Sends First Post-Quantum Encrypted Diplomatic Message

- US Air Force Awards SandboxAQ Quantum Navigation Research Contract
- US Air Force Engages SandboxAQ for Post-Quantum Security Audit
- Deloitte: Companies Face Harvest Now, Decrypt Later Quantum Threat
- Linux Foundation Launches Post-Quantum Cryptography Alliance
- Chinese Researchers Claim Quantum Encryption Hack
- Quantinuum Brings Quantum Encryption Keys to Connected Devices
- EU Consortium Targets Quantum-Secured Communication

Education & Workforce Development

- Virtual Reality Quantum Education Project Wins $1M Grant
- Quantum Subscription Platform Aims to Accelerate Drug Discovery
- Quantum Computing Companies – The Ultimate Directory
- 13 Companies Offering Quantum-as-a-Service
- 7 Companies Using Quantum Computing
- IBM Offers Researchers Quantum Credits
- Quantum Computing as a Service News Roundup
- Fujitsu Announces Quantum Simulator Challenge Winners

Global Ecosystem & Market Growth

- France Debuts “House of Quantum”
- Deutsche Telekom Opens Quantum Lab in Berlin
- European Quantum Ecosystem Gets $66M Cash Injection
- Organizations Collaborate to Boost South Korean Quantum Ecosystem
- UKQuantum Consortium Launches to Accelerate Innovation
- US and France Establish Bilateral Partnership to Advance Quantum Goals
- India to Build its First Dedicated Quantum Computing Data Center
- Which Countries Have the Most Quantum Computing Companies
- Top 6 Quantum Computing Companies as Ranked by Google
- China Introduces New Cloud Platform for Quantum Computing
- QCI Commercializes Quantum Products
- Thales Collaborates with EuroQCI on Quantum Information Network
- Japan Invests $30M in Quantum Cloud Computing for Industry
- Q-CTRL Combines AI and Quantum Technology in New Software Suite
- US Air Force Advances Quantum Research
- German Aerospace Center Taps Quantum for Aeronautics and Space
- Nord Quantique Unveils New Technique for Scalable Qubit Error Correction
- US Tops List of China’s Origin Wukong Quantum Computer Users

- 10 Enterprises Experimenting with Quantum Technology in 2023
- 4 Countries That Began Funding Quantum Initiatives in 2022
- 10 Quantum Computing Groups Known for Collaborating With Startups