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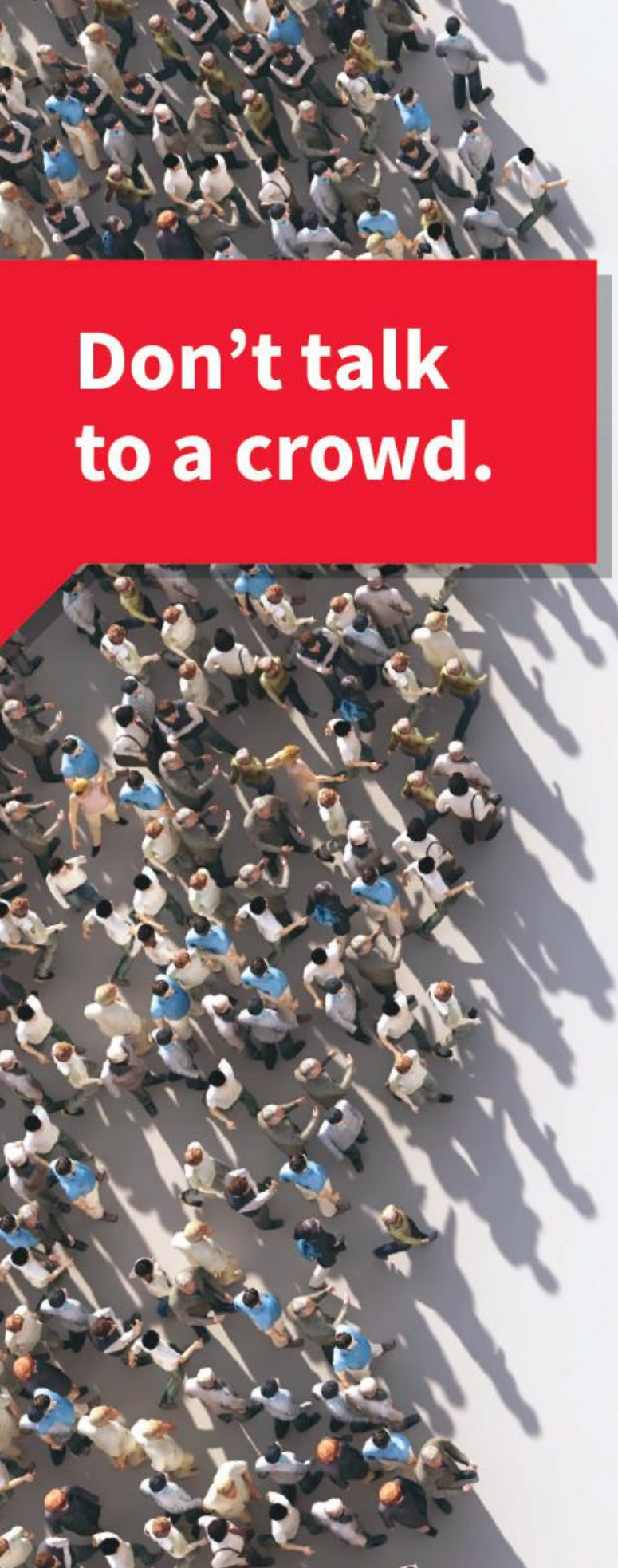
**TALKS ABOUT
CHALLENGES,
SCALABILITY,
CUSTOMER
ENGAGEMENT IN
BIG DATA SPACE AND
KLARRIO'S VISION
FOR THE INDUSTRY**

Klarrio's CEO,
Kurt Jonckheer

**BIGGER CHALLENGES MAKE WAY
FOR BIGGER OPPORTUNITIES**

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12



Klarrio's CEO,
Kurt Jonckheer

BIGGER CHALLENGES MAKE WAY FOR BIGGER OPPORTUNITIES

**TALKS ABOUT
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ENGAGEMENT IN
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FOR THE INDUSTRY**

IN MY OPINION



**The Art of Predicting
the Price of Collectibles: How Machine Learning Is Revolutionizing
Valuation**

Dan Van Tran,
Chief Technology Officer,
Collectors

08

LAST WORD

**"Entelligent: Revolutionizing Sustainability
with Data-Driven Insights"**

Thomas H. Stoner,
Jr. - CO-FOUNDER AND CEO,
Entelligent

30

CXO INSIGHTS

**"Crux Informatics, Inc: Empowering Data-driven
Decisions with Innovative Solutions"**

William Freiberg,
CEO,
Crux

18

**"lakeFS: A Comprehensive Solution for
Managing and Scaling Data Lakes"**

Einat Orr - Co-Founder,
CEO,
lakeFS

19

CXO INSIGHTS

**"Cloudera Unveiled: A Comprehensive Look at the
Leading Innovator in Big Data Management and
Analytics"**

Jeroen Faro,
Head of Analytics,
Holland & Barrett Benelux

20

**"Palantir Technologies Inc: Unlocking the Power of
Data Analytics for Business Success"**

Alessandro Bellati,
Director of Product Innovation and NA
Product Design & Creation,

21

**"Databricks: Revolutionizing Big Data Analytics
with Unified Analytics Platform"**

Ali Ghodsi,
Co-founder and CEO,
Databricks

22

**"Qlik: Empowering Data-Driven Decisions with
Innovative Business Intelligence Solutions"**

Mike Capone,
CEO,
Qlik

24

**Sisense: Revolutionizing Data Analytics with
Powerful Business Intelligence Solutions**

Ariel Katz,
CEO,
Sisense

25

**Innominds: Driving Digital Transformation through
Innovation**

Divakar Tantravahi,
Chairman & CEO,
Innominds

26

**Conceptions and Initiatives Factoring the
Advancement of Social Commerce**

Nick Blatt,
Head of E-commerce & Digital
Customer Experience,
Chemist Warehouse

28

GLOBAL
TECH **CIO** TOP 10
BIG DATA
COMPANIES - 2023

Pg No 14

Managing Editor
Jonathan Allred

Editorial Staff

Andrea Francis Rosalind Jacobs
Catalina Joseph Jem Elizabeth
John Smith Richard Taylor

Visualizer
Asher blake
Victor cruz

Email
sales@globaltechcio.com
editor@globaltechcio.com
marketing@globaltechcio.com

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Disclaimer: *Some of the Insights are based on our interviews with CIOs and CXOs

Editorial

The Critical Role of Defense Solutions Providers in Global Security

Big data providers are essential for ensuring national security and maintaining peace worldwide. These companies specialize in designing, developing, and producing advanced military equipment and technologies that are critical in the event of a conflict or war.

The global defense industry is growing rapidly, with countries investing heavily in defense technologies to ensure their national security. In recent years, there has been an increased focus on developing advanced technologies, such as artificial intelligence, cybersecurity, and space-based systems, which are transforming how countries approach defense.

Big data providers are at the forefront of this transformation, with many companies committing to research and development to develop new and innovative solutions. Defense solutions providers are also playing a critical role in cybersecurity. With the increasing dependence on digital technologies, cyber-attacks are becoming a significant threat to national security. Data companies are investing in the development of cybersecurity solutions, such as advanced encryption systems and intrusion detection software, to protect critical military and government networks. Governments worldwide must continue supporting these companies to ensure they have the resources necessary to develop and deploy the most advanced defense solutions possible.

In this edition of Global tech cio we present top defense solutions providers in South Korea and Taiwan. Realtimewave and SURE-FIRE are some of the prominent defense solutions providers. We also bring to you thought leadership articles and exclusive insights from expert CIOs and CXOs— Chris Allan, Head of Accounts & Partnerships (East), NATS, and Conn Doherty, Vice President, Future Aircraft Systems & Technology, Raytheon Intelligence & Space presenting their views and opinions on how organizations can incorporate changes. We hope the valuable insights from industry thought leaders and the big data providers featured in this edition help you make informed decisions for your organization.

Let us know your thoughts!



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THE ART OF PREDICTING THE PRICE OF COLLECTIBLES: HOW MACHINE LEARNING IS REVOLUTIONIZING VALUATION

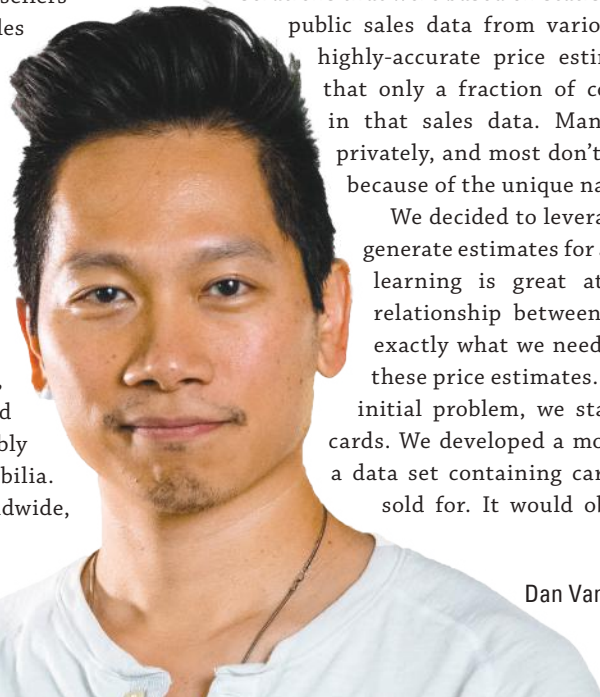
By Dan Van Tran, Chief Technology Officer, Collectors

Imagining a New World

When you go out to buy a car or a house, you have an idea of what the price range should be. There is a lot of readily-available data to help you to understand the market and give you a sense of what to expect. You can shop around, make deals, and search for bargains with confidence. The availability of this data allows the automobile and real estate industries to be exceptionally fluid and for consumers to be well-informed, leading to highly active markets.

Unfortunately, there isn't anything like that for collectibles. For example, trading cards come in packs or boxes, so the price of an individual card is unclear. Other collectibles are unique and don't have many, if any, similar sales to compare to. Many buyers and sellers end up using multiple unrelated sales points to guess a value, leading to high volatility and variability and inconsistent sales.

As the CTO of Collectors, this is one of the problems that I wanted to help solve for the industry. Given the position that our company has as a leader in the industry, we were well-equipped to take on this challenge. For the past 37 years, Collectors has been the trusted destination for grading, authenticating, selling, vaulting (and now valuation!) of collectibles – notably coins, cards, video games, and memorabilia. Many of our brands are known worldwide,



Dan Van Tran

such as PSA, PCGS, WATA, Goldin, and Card Ladder.

I joined Collectors to help transform the company into a tech-first organization. We want to disrupt the industry, which currently is a market size of around \$400 billion dollars, with next generation technology. Using that tech, we aim to transform the way collectors interact with and derive value from their collections, unlocking new possibilities for personal enjoyment, investment, and cultural preservation.

Using Machine Learning To Iterate On a Traditional Approach

This wouldn't be the first time that Collectors tried to create a price catalog for collectibles. Historically we created a few solutions that were based on statistical models, leveraging public sales data from various sources to generate highly-accurate price estimates. The problem is that only a fraction of collectibles are included in that sales data. Many collectibles are sold privately, and most don't even have a single sale because of the unique nature of collectibles.

We decided to leverage machine learning to generate estimates for all collectibles. Machine learning is great at learning the hidden relationship between data points, which is exactly what we needed in order to generate these price estimates. In order to simplify the initial problem, we started with just trading cards. We developed a model and trained it with a data set containing cards and the prices they sold for. It would observe the relationship



between each of the data elements, including the player, the team, the time of year, etc.

Once trained, it could start to predict the value of any card with some level of confidence. Given a set of attributes, it would dynamically calculate the relationship between those specific elements and determine the value of a collectible with those specific traits. At first the confidence levels were lower, but as the team iterated on the machine learning model and expanded the data set that they were training the model with, the accuracy increased rapidly. Less than 6 months later, we increased the percentage of trading cards covered from 81% to 93%, and the number of medium-to-high estimates increased from 14.5% to over 60%!

These estimates are starting to be used throughout our products. Besides helping collectors to understand the current value of their cards, we can now leverage these estimates within our internal operations across multiple parts of the company – for example to calculate the amount of shipping insurance we need when sending cards back to collectors, to determine the optimal starting bid for a consigned collectible, etc.

Although this level of automation will allow us to make the operations more efficient, the larger benefit is actually for collectors themselves. By reducing the friction of our internal operations, this technology will help them to get their items back sooner from grading, and increase their confidence in the prices that they're buying and selling collectibles for. So far, it's helped thousands of our users to estimate the value of their collections and to determine



With our tech, we aim to transform the way collectors interact with and derive value from their collections, unlocking new possibilities for personal enjoyment, investment, and cultural preservation

the asking price for their collectibles in our new Goldin Marketplace.

Pioneering This New Age of AI

Now that our machine learning and artificial intelligence capabilities team have completed this first set of features, we're starting to pursue the rest of our AI/ML roadmap. We're at the beginning of a new era – the Golden Age of Deep Learning Exploration. The tools are becoming increasingly accessible and advanced, limited only by the speed at which we apply them toward new problem sets. Equipped with the right outcomes in mind, you and your organization can revolutionize the state of technology in your industry and unlock new value for your customers. **GTC**



Application of Artificial Intelligence in the Retail Industry

As technology advances, the use of artificial intelligence (AI) in a variety of industries, including retail, is increasing. It is expected that AI will be used even more widely in retail in the coming years as businesses look to use the technology to boost productivity, sales, and customer experience.

Personalisation is one of the key areas in retail where AI is expected to have a significant impact. It will allow retailers to analyse customer data and generate personalised recommendations and offers, increasing the likelihood of a sale. Along with improving the overall shopping experience, this will assist retailers in better understanding their customer's needs and preferences. Supply chain management is one area where it makes a difference in retail. AI can help retailers optimise their inventory and forecasting to avoid stock loss and overstocking. It saves retailers money while also improving customer satisfaction by lowering the chances of out-of-stock items. It's also expected to play a role

in automated checkouts. With the help of AI, retailers will be able to provide customers with a faster, more efficient checkout process, improving the overall shopping experience. This will also help retailers cut labour costs by eliminating the need for human checkouts.

Artificial intelligence (AI) can change the retail industry, and an increasing number of businesses are already implementing it in various ways. It will take a look at some real-world AI use cases in retail to see how the technology is currently being used.

- One of the most common applications of AI in retail is personalised product recommendations. Retailers can use AI to create products that are relevant to individual customers based on data from their unique profiles, browsing history, and purchase history. This results in increased sales and a better overall customer experience.

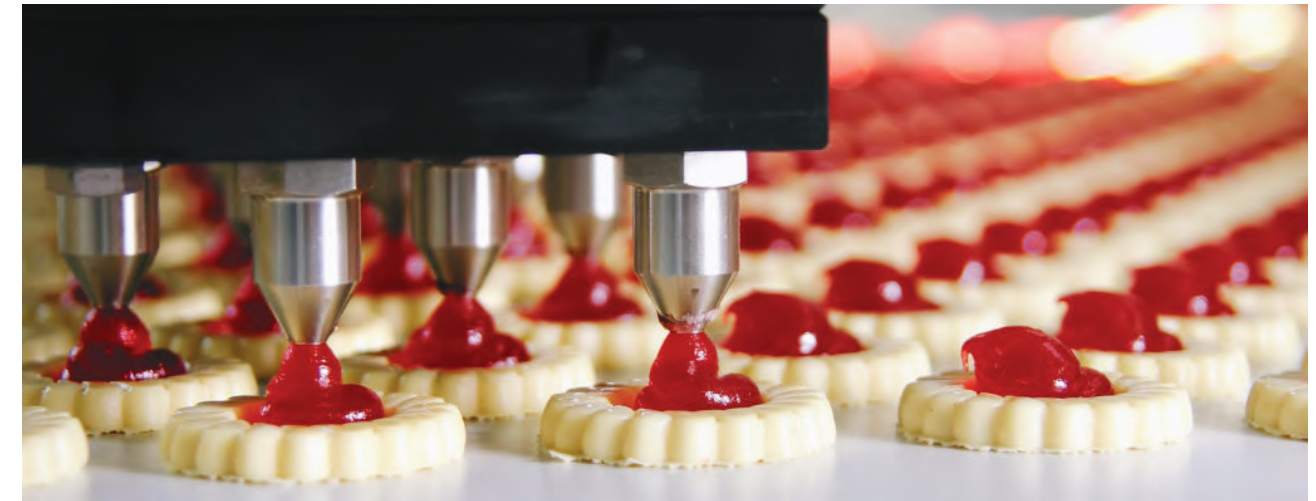
- Inventory management is a retail application of artificial intelligence. Retailers can reduce the risk of stockouts and overstock by using artificial intelligence to analyse data on sales patterns and customer

demand. Customers are less likely to encounter out-of-stock items, which helps retailers save money while also improving the customer experience.

- Chatbots are employed by retailers to assist customers. It can provide shipping information, process orders, answer customer questions, and recommend products. It can also help retailers save capital while improving the shopping experience for customers by allowing them to quickly and easily access the information they require.

- AI is being used by retailers to detect fraudulent activity. This can help to prevent fraud losses while also improving the customer experience because customers are less likely to encounter fraudulent activities.

AI is already being used in the retail industry in a variety of ways, and the technology has the potential to completely transform the way retailers operate. Retailers who embrace AI will be better positioned to compete in the market and provide their customers with a better shopping experience. As technology advances, the retail industry can expect to see even more creative applications of AI. **GTC**



Benefits of Automation in Food Retail Industries

Automation has always been a trend in the retail food industry. The covid-19 pandemic, however, accelerated the process. Many industries were affected by the pandemic.

There were some restaurants that had to work below their capacity, and there were others that suspended operations. It was impossible to retain all employees without automation.

Food retail has been impacted by automation in a number of ways, such as:

Technology related to drones: In the food industry, drone technology is an important development. It is ideal for planting, fertilizing, and applying pesticides. Food delivery services already use drones today. Some restaurants deliver pizza as a practical application.

There are many benefits to drone technology. Drones are very efficient at delivering food.

This reduces the risks associated with poor handling of foods. In addition to reducing carbon emissions, drones can help restaurants in meeting their sustainability goals.

In warehouses and manufacturing plants, drones can also be used for quality inspections. Most areas can be accessed quickly and safely by them.

Automated food packaging systems: The food packaging industry has been transformed by robotic systems. Milk, lettuce, and other foods can be packaged by robots. Packing is one of the best robotic applications.

Among the applications of robotics in food packaging are: Raw food packing

Foods are picked and placed randomly
Foods used in boxing

Robots in restaurants: Dining and food preparation have been transformed by automation technologies. Approximately 75 percent of food services will be automated in the future, according to studies. Chopping vegetables and grilling burgers with lasers are among the duties. There are some that have thermal scanners and more.

Recipe optimization has also been made possible by AI technology. The best cooking processes can be chosen based on the selection of ingredients. Restaurants' front-end services have also undergone significant technological changes. Several of them use facial or voice recognition software to process payments, take orders or assign seats today. Better services and higher revenues result from automation.

Seasonal spacing: Automation is becoming more prevalent in grocery retail. Seasonal peaks require a higher demand for labor to meet the growing consumer demands. Labor is needed to match the increase in consumer spending.

Labor gaps are felt by automation. Maintaining an efficient flow of operations requires fewer large operational spaces.

The automation of all industries has had a significant impact. It's no different in the retail food industry. As a result of automation, operations have been transformed, labor costs have been reduced, and working conditions have become safer. **GTC**

BIGGER CHALLENGES MAKE WAY FOR BIGGER OPPORTUNITIES

TALKS ABOUT CHALLENGES, SCALABILITY, CUSTOMER

ENGAGEMENT IN BIG DATA SPACE AND
KLARRIO'S VISION FOR THE INDUSTRY

Klarrio has been a one-stop data management service provider and cloud native integrator shop. We enable our global customers to define and speed up their digital transformation through adoption of new economy business models, disruptive technologies, and cloud native new value-added services and vendors. Klarrio is a recognized expert in building real-time streaming data processing stacks.

Kurt Jonckheer is the co-founder and CEO of Klarrio, a software development firm that provides expertise in data engineering,

platform engineering, and cloud native designs. Kurt Jonckheer is an industry expert, having worked with a wide range of organizations, from start-up to large corporations. Besides his role at Klarrio, Kurt Jonckheer is also a mentor and advisor to several start-ups and organizations. He is passionate about technology, innovations and is providing his knowledge and time to companies, enabling them to leverage data to drive business value.

Getting into the crux of our discussions. Regarding the challenges faced in the data space. The most immense challenges are with



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Klarrio's CEO,
Kurt Jonckheer



the enterprise ecosystem having to adjust towards a more data-centric approach, contrary to most of their legacy IT systems that are client-server based and therefore have limited capacity in handling the growing amounts of data throughout their end-to-end data channels.

Klarrio's contribution to their customers comes as building data platforms and micro services for them, providing them full flexibility across the different infrastructures (both on premise and public cloud) by using very few vendor proprietary solutions. Also enabling the customer to retain control over their business critical or core strategic assets. At Klarrio, scalability is more customer-centric by offering them with efficient and tailored infrastructure. Cloud might give you the impression that it provides endless scalability, but we are constantly working with our customers order to optimize cloud and infrastructure costs. It is this holistic approach that allows us to build optimized yet highly performant real-time systems and software.

With an immensely experienced and multi-disciplinary team from the onset of Klarrio, the team has been building data-processing platforms since 2011.

Klarrio is specialized in leveraging open-source distributed computing frameworks which were still at their nascent stage in around 2012. So, it is almost a decade of hands-on experience on frameworks from their early inceptions to their latest avatars. 'We always try to contribute back to the open-

source community, and I think that, those holistic 10 years of hands-on experience, makes us more unique compared to companies, who have just picked up and started working with these frameworks,' says Kurt Jonckheer.

An expert team of data- and platform engineers with a proven track record is ready to work with your subject-matter experts to productise and deploy your analytics models at scale. In close collaboration with our customer's experts, Klarrio data engineers implement, deploy and operate high-performance cloud agnostic data processing stack, leveraging state-of-the-art technology on premise and on any public cloud. We're known for our ability to build open source-based cloud-agnostic solutions that seamlessly process considerable volumes of data. We're also known for our ability to deliver valuable results and our willingness to tell you the truth from the very beginning.

Geographically, Klarrio's headquarters is based in Belgium with offices in Germany, The Netherlands, Spain, US and APAC. Data security is essential, and our commitment to our customers is to embed expertise and conduct the work inside our organization.

The real DNA of Klarrio lies in the attitude and experience of the team, He says I still remember and understand what it is to build complex software on limited compute, limited budgets, limited storage and that has enabled Klarrio to constantly understand and meet their customers needs to provide the most optimize solutions that pass the test of time.**GTC**



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“CRUX INFORMATICS, INC: EMPOWERING DATA-DRIVEN DECISIONS WITH INNOVATIVE SOLUTIONS”

By: William Freiberg - CEO, Crux

In today's world, data is everywhere. From social media platforms to financial institutions, data has become an integral part of our daily lives. However, managing and analyzing large amounts of data can be a daunting task, especially for businesses. This is where Crux Informatics, Inc comes in. Founded in 2017, Crux Informatics is a data delivery and operations company that provides innovative solutions to help businesses manage their data more efficiently.

Crux Informatics' mission is to make it easier for businesses to access, process, and analyze data. The company offers a wide range of solutions, including data delivery, data operations, and data engineering. These solutions are designed to help businesses streamline their data management processes and make data-driven decisions with confidence.

One of the key offerings of Crux Informatics is its data delivery solution. With this solution, businesses can access the data they need, when they need it. Crux Informatics has partnerships with over 150 data sources, including market data providers, exchanges, and alternative data providers. This means that businesses can access a wide range of data through a single platform. This saves time and reduces the complexity of managing multiple data sources.

Crux Informatics' data delivery solution also includes data normalization and enrichment. This means that the data is standardized and cleaned to ensure consistency and accuracy. The data is also enriched with additional information, such as metadata and annotations. This makes it easier for businesses to analyze the data and derive insights.

Another key offering of Crux Informatics is its data operations solution. This solution is designed to help businesses manage their data pipelines more efficiently. With data operations, businesses can automate data workflows, monitor data quality, and manage data versioning. This makes it easier for businesses to ensure that their data is accurate, up-to-date, and reliable.

Crux Informatics' data operations solution also includes data governance and compliance. This means that businesses



William Freiberg

can ensure that their data is secure and compliant with industry regulations. This is particularly important for businesses that deal with sensitive data, such as financial institutions and healthcare providers.

Finally, Crux Informatics offers data engineering services. This solution is designed to help businesses build and maintain their data infrastructure. Crux Informatics has a team of experienced data engineers who can help businesses design and implement data pipelines, data warehouses, and data lakes. This ensures that businesses have a scalable and reliable infrastructure to manage their data.

Crux Informatics' solutions are used by a wide range of businesses, including financial institutions, hedge funds, and asset managers. These businesses rely on Crux Informatics to provide them with accurate and timely data so that they can make informed investment decisions. Crux Informatics has also worked with healthcare providers, helping them manage and analyze large amounts of patient data.

One of the reasons why Crux Informatics has been so successful is its focus on innovation. The company is constantly developing new solutions and improving existing ones. For example, Crux Informatics recently launched a new solution called Crux Ethos. This solution is designed to help businesses manage and analyze alternative data, such as social media data and web traffic data. Crux Ethos uses machine learning algorithms to analyze the data and derive insights. This is just one example of how Crux Informatics is pushing the boundaries of what is possible with data management and analysis.

In conclusion, Crux Informatics, Inc is a data delivery and operations company that provides innovative solutions to help businesses manage their data more efficiently. The company's solutions are designed to help businesses streamline their data management processes and make data-driven decisions with confidence. With partnerships with over 150 data sources, data normalization and enrichment, automation of data workflows, monitoring data quality, managing data versioning. **GTC**

“LAKEFS: A COMPREHENSIVE SOLUTION FOR MANAGING AND SCALING DATA LAKES”

By: Einat Orr - Co-Founder, and CEO, lakeFS

Revolutionizing Data Lakes with lakeFS: A Comprehensive Solution for Managing and Scaling Data Lakes

Data lakes have become increasingly popular in recent years as businesses seek to manage and analyze large amounts of data. However, as data lakes grow in size and complexity, managing them becomes more challenging. This is where lakeFS comes in. lakeFS is a comprehensive solution for managing and scaling data lakes. In this article, we'll explore how lakeFS is revolutionizing the world of data lakes.



At its core, lakeFS is a version control system for data lakes. It allows businesses to track changes to their data over time, similar to how developers use version control systems like Git to track changes to code. This makes it easier for businesses to manage and collaborate on their data, as they can see who made changes, when they made them, and why they made them.

One of the key benefits of lakeFS is its ability to manage data at scale. As data lakes grow in size and complexity, managing them becomes more challenging. With lakeFS, businesses can easily manage and scale their data lakes, even as they grow to petabyte-scale. lakeFS is designed to work seamlessly with cloud object storage services like Amazon S3, Google Cloud Storage, and Microsoft Azure Blob Storage.

Another benefit of lakeFS is its ability to manage data lineage. Data lineage refers to the process of tracking the origin and transformation of data. This is important for businesses that need to ensure the accuracy and validity of their data. With lakeFS, businesses can easily track the lineage of their data, from its origin to its current state. This makes it easier to audit and verify data, ensuring that businesses can make informed decisions based on accurate and reliable data.

lakeFS also offers a comprehensive set of features for managing data lakes. For example, it offers granular access control, allowing businesses to control who has access to what data. It also offers data versioning, allowing businesses to track changes to their data over time. Additionally, it offers metadata management, making it easier for businesses to find and access the data they need.

One of the key features of lakeFS is its ability to manage data transformations. Data transformations refer to the process of converting data from one format to another. This is important for businesses that need to analyze data from different sources. With lakeFS, businesses can easily manage data transformations, ensuring that their data is in the right format for analysis.

Another benefit of lakeFS is its integration with other data management tools. For example, it integrates seamlessly with Apache Spark, a popular tool for processing big data. This makes it easier for businesses to process and analyze their data using their existing tools and workflows.

lakeFS is also designed to be easy to use. It has a simple and intuitive user interface, making it easy for businesses to get started with managing their data lakes. Additionally, it has a comprehensive set of APIs, allowing businesses to integrate it into their existing workflows.

In conclusion, lakeFS is a comprehensive solution for managing and scaling data lakes. Its ability to manage data at scale, track data lineage, and manage data transformations makes it an ideal solution for businesses that need to manage and analyze large amounts of data. With its comprehensive set of features, easy-to-use interface, and integration with other data management tools, lakeFS is revolutionizing the world of data lakes. **GTC**

“CLOUDERA UNVEILED: A COMPREHENSIVE LOOK AT THE LEADING INNOVATOR IN BIG DATA MANAGEMENT AND ANALYTICS”

In today's data-driven world, businesses are constantly seeking ways to manage and analyze their data more effectively. This is where Cloudera comes in. As a leading innovator in big data management and analytics, Cloudera offers a comprehensive suite of tools and services designed to help businesses extract value from their data. In this article, we'll take a closer look at Cloudera and its capabilities, exploring how it's empowering businesses with data management and analytics.

At its core, Cloudera is a platform for managing and processing big data. It's built on top of Hadoop, an open-source software framework for storing and processing large datasets. Cloudera extends the capabilities of Hadoop by offering a suite of tools and services designed to make it easier for businesses to manage and analyze their data.



One of the key benefits of Cloudera is its ability to handle large amounts of data. With its distributed architecture, Cloudera can scale to handle petabytes of data. This makes it an ideal solution for businesses that need to manage and analyze large datasets.

Another benefit of Cloudera is its ability to handle different types of data. Cloudera can handle structured, semi-structured, and unstructured data, allowing businesses to manage and analyze data from a wide range of sources. This makes it easier for businesses to extract insights from their data, regardless of its format.

Cloudera also offers a comprehensive set of tools for data processing and analytics. For example, it offers Apache Spark, a popular tool for processing big data. It also offers Impala, a SQL query engine for Hadoop. Additionally, it offers a machine learning platform, allowing businesses to build and deploy machine learning models.

One of the key features of Cloudera is its ability to offer real-time data processing and analytics. With its stream processing capabilities, Cloudera can analyze data as it's generated, allowing businesses to make real-time decisions based on their data.

Another benefit of Cloudera is its integration with other data management and analytics tools. For example, it integrates seamlessly with Apache Kafka, a popular tool for streaming data. It also integrates with Tableau, a popular tool for data visualization. This makes it easier for businesses to use Cloudera alongside their existing tools and workflows.

Cloudera is also designed to be easy to use. It has a simple and intuitive user interface, making it easy for businesses to get started with managing and analyzing their data. Additionally, it offers a comprehensive set of APIs, allowing businesses to integrate it into their existing workflows.

Cloudera also offers a range of services to help businesses get the most out of their data. For example, it offers consulting services to help businesses design and implement their data management and analytics solutions. It also offers training and certification programs to help businesses build their data management and analytics skills.

In conclusion, Cloudera is a leading innovator in big data management and analytics. Its ability to handle large amounts of data, handle different types of data, and offer real-time data processing and analytics makes it an ideal solution for businesses that need to manage and analyze large datasets. With its comprehensive set of tools and services, easy-to-use interface, and integration with other data management and analytics tools, Cloudera is empowering businesses with data management and analytics. [GTC](#)

PALANTIR TECHNOLOGIES INC. UNLOCKING THE POWER OF DATA ANALYTICS FOR BUSINESS SUCCESS”

In today's data-driven world, businesses need to make sense of vast amounts of information to remain competitive. Palantir Technologies Inc, founded in 2003, offers an advanced analytics platform that helps businesses to harness the power of data. The Palantir platform has been used by government agencies, financial institutions, and corporations around the world to drive better decision-making and business outcomes. In this article, we'll explore how Palantir Technologies Inc is unlocking the power of data analytics for business success.

The Palantir platform is a comprehensive solution for data analytics, offering a suite of tools that enable businesses to collect, store, process, and analyze data. The platform is designed to handle large amounts of complex data, allowing businesses to gain insights into their operations, customer behavior, and market trends.

One of the key features of the Palantir platform is its ability to integrate and analyze data from multiple sources. The platform can ingest data from a wide range of sources, including structured and unstructured data, databases, and APIs. This allows businesses to gain a comprehensive view of their operations, customers, and competitors.

The Palantir platform also offers powerful data visualization tools, enabling businesses to create interactive dashboards and reports that provide real-time insights into their operations. These visualizations can be customized to meet specific business needs and can be shared across the organization.

Another key feature of the Palantir platform is its machine learning capabilities. The platform offers a range of tools for developing and deploying machine learning models, enabling businesses to automate processes, detect anomalies, and make more accurate predictions.

One of the strengths of Palantir is its ability to handle data at scale. The platform is designed to handle large volumes of data, making it an ideal solution for businesses

that need to process and analyze data from multiple sources. This scalability allows businesses to analyze data in real-time, making it easier to make informed decisions and respond to changes in the market.

The Palantir platform has been used by a wide range of businesses, from startups to Fortune 500 companies. The platform has been particularly popular in industries such as finance, healthcare, and government, where the ability to analyze and act on data quickly is essential.

In the finance industry, Palantir has been used to help businesses detect fraud, manage risk, and identify opportunities for growth. The platform has also been used to help healthcare providers analyze patient data and develop personalized treatment plans. In the government sector, Palantir has been used to analyze intelligence data and support law enforcement activities.

In addition to its platform, Palantir offers a range of services to help businesses get the most out of their data analytics efforts. These services include consulting, training, and support, as well as customized solutions designed to meet specific business needs.

One of the benefits of working with Palantir is its focus on security and privacy. The platform is designed to meet the most stringent security and compliance requirements, making it an ideal solution for businesses that handle sensitive data.

In conclusion, Palantir Technologies Inc is unlocking the power of data analytics for business success. Its comprehensive platform, powerful data visualization tools, machine learning capabilities, and scalability make it an ideal solution for businesses that need to analyze large amounts of data quickly. Its focus on security and privacy, as well as its range of services, make it a trusted partner for businesses in a wide range of industries. By leveraging the power of data analytics, businesses can gain a competitive edge and drive better business outcomes. [GTC](#)

“DATABRICKS: REVOLUTIONIZING BIG DATA ANALYTICS WITH UNIFIED ANALYTICS PLATFORM”

By: Ali Ghodsi, Co-founder and CEO, Databricks

In today's world, data is a crucial element in every aspect of business. Companies gather large amounts of data from various sources, and analyzing this data has become a significant challenge. However, with the help of Databricks, businesses can now efficiently manage, analyze, and utilize large datasets. Databricks provides a unified analytics platform that revolutionizes big data analytics. In this article, we will explore how Databricks is transforming big data analytics.

Databricks was founded in 2013 by a team of engineers from the University of California, Berkeley. The company provides a unified analytics platform that allows businesses to perform data engineering, machine learning, and analytics in a single environment. The platform is built on Apache Spark, an open-source distributed computing framework, and allows businesses to analyze data in real-time.

One of the key features of the Databricks platform is its ability to handle large datasets. The platform can process petabytes of data and provides high-speed processing capabilities that enable businesses to analyze large amounts of data quickly. This feature is particularly important for businesses that work with massive datasets, such as those in the financial services and healthcare industries.

Another key feature of the Databricks platform is its support for machine learning. The platform provides an end-to-end machine learning workflow that allows businesses to build, train, and deploy machine learning models. This feature is essential for businesses that want to leverage machine learning to gain insights from their data and make better decisions.

Databricks also provides a collaborative workspace that allows data scientists, data engineers, and business analysts to work together on the same platform. This feature helps businesses break down silos between different departments and enables collaboration between different teams.

The Databricks platform is built on Apache Spark,

which provides a distributed computing framework that allows businesses to process large datasets quickly. Apache Spark is open-source software and has a vast community of developers working on it. This feature ensures that the Databricks platform remains up-to-date and provides businesses with the latest features and capabilities.

The Databricks platform also provides a range of integrations with other big data tools, such as Apache Kafka, Apache Cassandra, and Amazon S3. These integrations allow businesses to easily connect to other data sources and use them in their analytics workflows.

One of the benefits of using Databricks is its ability to provide real-time data analysis. The platform can analyze data as it is generated, allowing businesses to gain insights in real-time. This feature is particularly important for businesses that need to make quick decisions based on real-time data, such as those in the e-commerce and online advertising industries.

Databricks has been used by a wide range of businesses, including Fortune 500 companies and startups. The platform has been particularly popular in industries such as finance, healthcare, and e-commerce, where large datasets and real-time analysis are critical.

In the finance industry, Databricks has been used to analyze financial data and detect fraudulent activity. The platform has also been used to build machine learning models that predict stock prices and identify investment opportunities.

In the healthcare industry, Databricks has been used to analyze medical records and identify patterns in patient data. The platform has also been used to build machine learning models that can predict disease outbreaks and identify potential treatments.

In the e-commerce industry, Databricks has been used to analyze customer data and personalize marketing campaigns. The platform has also been used to build machine learning models that can predict customer behavior and identify new product opportunities. [GTC](#)



Ali Ghodsi

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“QLIK: EMPOWERING DATA-DRIVEN DECISIONS WITH INNOVATIVE BUSINESS INTELLIGENCE SOLUTIONS”

By: Mike Capone, CEO, Qlik

Data has become a critical component of business operations in the 21st century. Businesses of all sizes generate large amounts of data on a daily basis, and analyzing this data has become essential for making informed decisions. Qlik, a business intelligence software company, is revolutionizing the way businesses analyze and utilize their data. In this article, we will explore how Qlik empowers data-driven decisions with its innovative business intelligence solutions.

Qlik was founded in 1993 in Sweden, and since then, the company has grown to become a leading business intelligence software provider. The company's primary product, QlikView, is a data discovery and visualization tool that allows businesses to analyze their data in real-time. The tool enables businesses to explore large datasets and identify patterns and trends in their data, making it easier to make informed decisions.

QlikView is designed to be easy to use, and it provides businesses with a range of data visualization options, such as charts, graphs, and tables. These visualization tools enable businesses to analyze their data quickly and identify trends and patterns that might not be apparent in raw data.

One of the key features of QlikView is its ability to analyze data from multiple sources. The software can integrate data from different sources and provide a unified view of the data. This feature is particularly important for businesses that work with data from different departments or sources.

QlikView also provides businesses with real-time data analysis capabilities. The software can analyze data as it is generated, allowing businesses to gain insights in real-time. This feature is essential for businesses that need to make quick decisions based on real-time data, such as those in the e-commerce and online advertising industries.

QlikView is not just limited to data analysis and visualization. The software also provides a range of collaboration tools that allow businesses to share data and insights with their teams. This feature helps businesses break down silos between different departments and enables



Mike Capone

collaboration between different teams.

In addition to QlikView, Qlik also offers a range of other business intelligence solutions. Qlik Sense, for example, is a self-service data visualization tool that enables businesses to create their own visualizations and dashboards. The software provides a range of drag-and-drop tools that allow users to create visualizations without the need for programming skills.

Another key product from Qlik is Attunity, a data integration and management tool that allows businesses to integrate and manage data from different sources. Attunity provides businesses with a range of data integration options, such as real-time data replication and data warehousing.

Qlik's products have been used by a wide range of businesses, from small startups to large corporations. The software has been particularly popular in industries such as finance, healthcare, and retail, where data analysis and visualization are critical.

In the finance industry, Qlik's software has been used to analyze financial data and identify investment opportunities. The software has also been used to build machine learning models that predict stock prices and identify potential risks.

In the healthcare industry, Qlik's software has been used to analyze patient data and identify patterns in medical records. The software has also been used to build predictive models that can predict disease outbreaks and identify potential treatments.

In the retail industry, Qlik's software has been used to analyze customer data and personalize marketing campaigns. The software has also been used to identify patterns in sales data and optimize inventory management.

In conclusion, Qlik is empowering data-driven decisions with its innovative business intelligence solutions. The company's products, such as QlikView, Qlik Sense, and Attunity, are designed to make data analysis and visualization easier for businesses of all sizes. The software's real-time data analysis capabilities, collaboration tools, and integration capabilities make it a valuable asset for businesses. **GTC**

SISENSE: REVOLUTIONIZING DATA ANALYTICS WITH POWERFUL BUSINESS INTELLIGENCE SOLUTIONS

By: Ariel Katz, CEO, Sisense

In today's data-driven world, businesses are constantly collecting and analyzing large amounts of data to drive better decision-making and improve their bottom line. However, with the vast amounts of data available, it can be overwhelming for organizations to extract actionable insights from their data. This is where Sisense comes in, providing powerful business intelligence solutions to help organizations make sense of their data and make informed decisions.

Sisense is a business intelligence and data analytics software company founded in 2010. Its innovative platform empowers businesses of all sizes to easily analyze complex data and extract valuable insights. With its advanced analytics capabilities, Sisense enables organizations to turn their data into actionable insights and make data-driven decisions.

One of the key features of Sisense is its ability to handle large and complex datasets. Sisense uses a unique technology called In-Chip Analytics, which enables data processing directly on the computer's memory. This approach eliminates the need to move data back and forth between different software systems, resulting in faster and more efficient data processing.

Another unique feature of Sisense is its ability to handle data from multiple sources. Businesses today collect data from a variety of sources, including internal databases, cloud applications, and external sources. Sisense allows users to connect to these different data sources, blend them together, and create a unified view of the data. This gives businesses a more complete picture of their operations, enabling them to make better decisions based on a comprehensive understanding of their data.

Sisense offers a range of analytics capabilities, including data visualization, ad-hoc reporting, and predictive analytics. With its drag-and-drop interface, users can easily create interactive dashboards and reports to share with their teams. This allows businesses to quickly identify trends and patterns in their data, and make informed decisions based on these insights.

Sisense also offers a mobile app, allowing users to access their data and dashboards on-the-go. This is particularly useful for businesses with remote workers or teams on-the-go who need access to data and analytics at all times.



Ariel Katz

One of the standout features of Sisense is its ability to scale with a business's needs. Sisense can handle data volumes ranging from small datasets to massive data lakes. Its platform is built with scalability in mind, enabling businesses to start small and grow as their data needs increase.

In addition, Sisense offers a range of integrations with popular business applications such as Salesforce, Google Analytics, and Microsoft Excel. This enables businesses to easily connect to their existing tools and bring all their data together in one place.

Sisense has been recognized by several industry analysts and experts for its powerful analytics capabilities. In 2021, Sisense was named a Leader in the Gartner Magic Quadrant for Analytics and Business Intelligence Platforms. It was also named a Customers' Choice in the Gartner Peer Insights 'Voice of the Customer': Analytics and Business Intelligence Platforms report.

In conclusion, Sisense is a powerful business intelligence and data analytics platform that empowers organizations to extract valuable insights from their data. Its advanced analytics capabilities, ability to handle large and complex datasets, and scalability make it a valuable tool for businesses of all sizes. With Sisense, businesses can make data-driven decisions and gain a competitive edge in today's data-driven world. **GTC**

INNOMINDS: DRIVING DIGITAL TRANSFORMATION THROUGH INNOVATION

By: Divakar Tantravahi, Chairman & CEO, Innominds

Innominds is a digital product engineering company that helps enterprises accelerate their digital transformation journeys. Founded in 1998, the company has grown to become a leading provider of digital transformation solutions, with a strong focus on innovation and customer success.

With its headquarters in San Jose, California, Innominds has a global presence, with offices in India, the UK, and Canada. The company's team of over 2,000 employees is made up of technology experts and industry veterans who bring a wealth of experience to every project.

Innominds helps enterprises across a wide range of industries, including healthcare, retail, finance, and manufacturing, to transform their businesses through digital technologies. The company's expertise in emerging technologies such as AI, IoT, and cloud computing allows it to deliver innovative solutions that help its clients stay ahead of the competition.

One of the key strengths of Innominds is its ability to help its clients with end-to-end digital transformation. The company's services span the entire digital product lifecycle, from ideation and design to development, testing, and support. Innominds has a deep understanding of the challenges faced by enterprises in their digital transformation journeys, and it leverages its expertise and experience to help clients achieve their goals.

Innominds' digital transformation services include:

- 1. Product Engineering:** Innominds' product engineering services help enterprises build innovative digital products that meet the needs of their customers. The company's expertise in emerging technologies such as AI, IoT, and cloud computing allows it to deliver products that are both innovative and scalable.
- 2. Data Engineering and Analytics:** Innominds' data engineering and analytics services help enterprises make sense of the vast amounts of data they generate. The company helps its clients to collect, process, and analyze their data, enabling them to make data-driven decisions that drive business growth.
- 3. Digital Experience Design:** Innominds' digital experience design services help enterprises create engaging and intuitive digital experiences for their customers. The company's design experts work closely with clients to create user-centric designs



Divakar Tantravahi

that are both beautiful and functional.

4. Cloud and DevOps: Innominds' cloud and DevOps services help enterprises modernize their IT infrastructure and processes. The company's experts help clients to migrate to the cloud, implement DevOps practices, and automate their IT processes, resulting in improved agility, efficiency, and scalability.

Innominds has a strong track record of delivering innovative digital transformation solutions to its clients. The company has been recognized by several industry analysts and experts for its expertise in emerging technologies and its commitment to customer success. In 2021, Innominds was named a Leader in the Gartner Magic Quadrant for Application Services, and it was also recognized as a Rising Star in the ISG Provider Lens™ Cloud Transformation/ Operation Services & XaaS Quadrant Report.

In conclusion, Innominds is a leading provider of digital transformation solutions, with a strong focus on innovation and customer success. The company's expertise in emerging technologies, end-to-end digital product engineering services, and commitment to delivering value to its clients make it a valuable partner for enterprises looking to accelerate their digital transformation journeys. With Innominds' help, enterprises can stay ahead of the competition and drive growth through digital innovation. **CTC**

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CONCEPTIONS AND INITIATIVES FACTORIZING THE ADVANCEMENT OF SOCIAL COMMERCE

By Nick Blatt, Head of E-commerce & Digital Customer Experience, Chemist Warehouse

Nick Blatt has been associated with Chemist Warehouse since 2021 as the Head of E-commerce and Digital Customer Experience. Nick was previously associated with Bupa, Australia, for over a decade in several roles, including General Manager for their Digital growth department for three years.

What are some current misconceptions about social commerce, in your opinion?

One of the difficulties with social media is that many campaigns are not tracked effectively. Historically, social media has been used to publicize brands, sell products, and enhance consumer awareness. However, there is an appealing opportunity to try to monitor those interactions more closely, which will enable us to gain a better understanding of how successful the campaigns are. The monitoring needs to be stringent enough because much work can be done to analyze where your money is going in the campaign.

What factors are crucial to consider when looking for the best technology partner?

The most important factor is that, depending on the type and market of the business, the partners should be a cultural fit with your organization. The capacity to interact personally and collaboratively with others is crucial. It is essential to partner with someone who has more hands-on experience with the work being done at the particular organization because even some big, medium, or small-sized technology providers may not fit the cultural essence of the organization.

Are you currently overseeing any particularly interesting or impactful initiatives or projects?

One of the things we are enjoying working on right now is implementing the google



Nick Blatt

recommendations engine on our website to provide more personalized and relevant product recommendations for our customers. It uses a similar algorithm to what YouTube does to recommend videos based by what it knows about you! But instead of videos it recommends relevant products!

email, marketing, and other such services were mass-marketed in the past with little personalisation, only segmentation. There is a great opportunity right now to look at vendors that can personalize experiences for customers and make the content that we send and share with them more relevant.



The number one thing for me is that a partner should be a cultural fit for an organization, depending on what market it works in and its type of business

What kind of changes do you anticipate within this industry in the next few years?

It has to be automation, whether it be chatting to customers via a chatbot, creating SEO content or bidding and optimising paid media campaigns automatically with bots through all digital media platforms.

I can imagine a time in the next few years where marketing teams will only manage creative content and copywriting, campaign activations and reporting will all be automated and self serve!!

What are the advantages of having a higher social credit in the retail market, and how does social commerce seek to provide similar benefits?

One of the benefits of social credit is the capacity to launch and distribute new products and services. Another advantage is personalized selling. In a physical store, I appreciate it when there is a personalized service representative assigned to ask questions and make recommendations. Social commerce strives to replicate



this component and provide similar customized services in a social channel, making it as similar to a physical store and marketplace as possible. The key difference is social commerce uses real and relevant talent and content that is relatable to share products and services!

What would be your advice to a professional with a similar experience and background as yours?

I would want to provide two primary pieces of advice. The first one is to work on building your personal brand. 'What is your own brand?' I frequently ask my peers this question since, in the modern world, establishing one's brand is essential. Your brand comprises every aspect of who you are, including your traits, skills, and experiences in addition to your perspective and philosophy. The feature that sets you apart from other people is your brand.

The second piece of advice is the education doesn't need to be expensive or time consuming. One can learn about the market and products from a variety of sources and gain experience on the job, working on relevant projects. The internet is a very practical tool for acquiring knowledge and does not necessarily require education at a university to get an understanding. YouTube and Google searches are two excellent, affordable sources of information. Online tutorials could be very helpful in learning if you are passionate about developing a successful profession in the sector of social or E-commerce. **CTC**

“ENTELLIGENT: REVOLUTIONIZING SUSTAINABILITY WITH DATA-DRIVEN INSIGHTS”

By: **Thomas H. Stoner, Jr.** - CO-FOUNDER AND CEO, Entelligent



Sustainability is an increasingly important topic in today's world, as businesses and individuals strive to reduce their impact on the environment. However, understanding the complex interactions between environmental factors, economic activity, and social issues can be challenging. That's where Entelligent comes in. Entelligent is a company that provides data-driven insights to help businesses and individuals make sustainable decisions. In this article, we'll explore how Entelligent is revolutionizing sustainability with data-driven insights.

Entelligent was founded in 2015 with the goal of providing actionable insights to businesses and individuals who want to make more sustainable decisions. The company's platform uses a variety of data sources, including government data, financial data, and environmental data, to generate insights that can help users make informed decisions.

One of the key features of the Entelligent platform is its ability to provide real-time insights into environmental data. The platform collects data from a variety of sources, including weather sensors, air quality monitors, and satellite imagery, and uses machine learning algorithms to analyze the data and identify trends.

The platform also provides insights into the economic impact of sustainability initiatives. By analyzing financial data, the platform can help businesses understand the financial benefits of implementing sustainable practices, such as reducing energy consumption or using renewable energy sources.

Another key feature of the Entelligent platform is its ability to provide insights into social issues related to sustainability. The platform analyzes data related to social issues, such as income inequality and access to clean water, to help businesses and individuals understand the social impact of their decisions.

The Entelligent platform has been used by a wide range of businesses and organizations, from small startups to large corporations. The platform has been particularly popular in industries such as energy, finance, and real estate, where

sustainability is a key concern.

In the energy industry, Entelligent has been used to help businesses optimize their energy usage and reduce their carbon footprint. The platform has also been used to help businesses identify opportunities for investing in renewable energy sources, such as solar and wind power.

In the finance industry, Entelligent has been used to help investors identify sustainable investment opportunities. The platform provides insights into the environmental, social, and governance (ESG) factors that can impact the performance of a company, allowing investors to make more informed decisions.

In the real estate industry, Entelligent has been used to help developers design more sustainable buildings. By analyzing environmental data, the platform can help developers identify the most sustainable materials and design features for their buildings.

One of the benefits of using Entelligent is its ability to provide customized insights to meet specific business needs. The platform can be customized to analyze data from specific locations or industries, allowing businesses to gain insights that are tailored to their unique circumstances.

Another benefit of using Entelligent is its focus on transparency. The platform provides detailed information about the data sources and analytical methods used to generate insights, allowing users to understand the basis for the recommendations provided.

In conclusion, Entelligent is revolutionizing sustainability with data-driven insights. Its platform provides real-time insights into environmental, economic, and social data, allowing businesses and individuals to make more sustainable decisions. The platform has been used by businesses in a wide range of industries, and its customized insights and transparency make it a trusted partner for businesses looking to make a positive impact on the environment. By leveraging the power of data analytics, businesses and individuals can play a role in creating a more sustainable future. **GTC**

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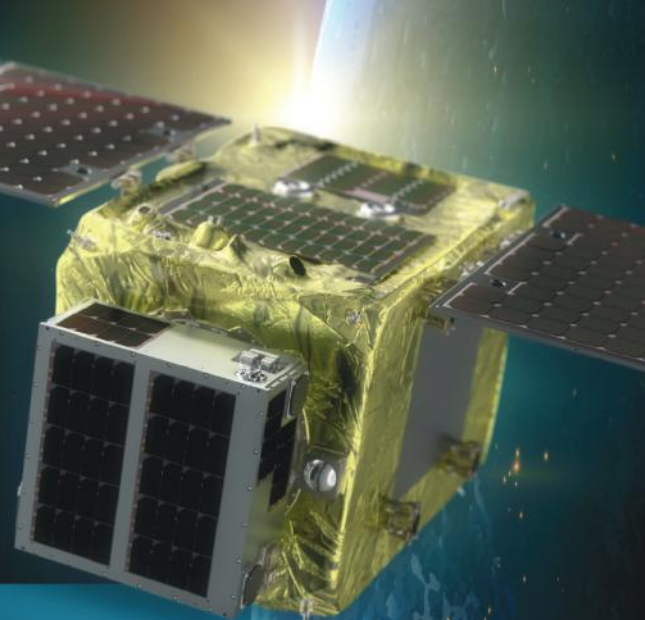


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