

- [Narrator] Have you ever wanted to do a job
that really mattered,
something that fills your heart and pays your rent?

Well, what if I told you
that you could find your next career
in some of the most unexpected industries,
industries that are part of your everyday life
that maybe you've never even noticed.

In this season we look at some big trends
and small steps that are changing the future of work.
So your job of tomorrow can help your community,
and even the planet.

(upbeat pop music)

(music fades)

The supply chain industry is known for having huge networks
that stretch nationally and sometimes internationally.

These chains feed on data, which is as valuable
for companies as oxygen is for humans.

- Data is at the core of everything that we do.

We really believe that for the industry to really innovate
and then advance in any shape or form,
you will have to rely more and more on data.

And it's not just information,
but it's real-time information,
and associating different parts of information
to extract insights that's really going to drive
the industry forward.

Knowing exactly when to react, what to react to,
and how to react to.

- [Narrator] Data empowers businesses to be well prepared for unforeseen disruptions that can be caused due to various factors such as errors in the logistics networks, parts shortages, equipment failures, or even natural disasters.

- Within our transportation group, we're doing things like this particular product that's traveling this route on this carrier is scheduled to be at the warehouse on Monday at 5:00 PM. However, because of X, Y, Z, they are not going to make it until Wednesday at 7:00 AM.

And then being able to make a decision on how do you shift that to get that product there on time.

Where we're headed and where we'd like to get is more prescriptive, where not just giving me that information and predicting that this is going to happen,

but now then taking that information, feeding it back into the system, and automatically making the changes to positively impact the shipment status for that particular shipment.

So that's more of a prescriptive, where it's actually the machine's telling you what to do, versus just telling you what's about to happen and letting you make the decision.

- [Narrator] Thanks to technologies like AI and machine learning that enable predictive data analysis, companies can gain visibility across the chain

and collaboratively work with different stakeholders to make real-time, data-driven decisions.

- So it's about, first of all, internal data transparency and data visibility in, again, near real-time.

But then what we've done is we've actually gone back and linked it to the shelf in terms of what's the kind of inventory that our retailer partners have, being able to collaborate with our retailer partners to build a more predictive ordering pattern using forecasting techniques, leveraging machine learning to be able to predictably forecast what's likely to happen.

And equally making that forecast available to supplier partners so that they can start preparing for the materials that we will need.

So it's a combination of technology, collaboration, and near real-time decision-making.

- [Narrator] An efficient supply chain ecosystem is a combination of well-equipped human workforce, automated tools, tech, and resilient infrastructure, each of which conceives data in its own way and contributes to making the best decisions to deal with uncertainties and to capitalize on opportunities to deliver a great customer experience.

To learn more, check out the full episode from the amazing docuseries, "Jobs of Tomorrow".

(soft ambient music)