Machine Transcription of Ex. 2057

0:07
Right.

0:07
Good morning.

0:08
Hello, everybody.

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It's a fantastic audience.

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We're very honoured to be here.

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I hope you're still all fit in the wake.

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We have, I think a very intriguing question that we want to go through with you.

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And that question is, do we have the technological tools and the acceptance from the consumer base to start using the face as the primary key to our digital assets and our digital identities?

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And we also going to look at what would the requirements be, what would we want from such a solution to make that work?

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When you think about how we use the face in the real world, we use the face as the primary identifier to know each other.

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This is how we build trust in each other and often the best solutions are the ones where we just copy what we do in the real world and we transport it into the online world.

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So it would be great if we could use the face to identify each other on the Internet online just to get it out of the way.

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Quick word on who Jumio is.

FACETEC EXHIBIT 2085
JUMIO v. FACETEC
IPR2025-00106

1:18
We're the market leader in identity verification based on government issued IDSAI and face biometrics.

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We've verified over 170 million consumers to date and we work with some of the largest brands on the planet, HSBC, Airbnb, Coinbase, United Airlines and many others.

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So now back to our question, back to our topic.

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When we look at identity over the course of the lifetime of a consumer, we really see these two moments in time.

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We have the initial identity proofing and then we have the authentication.

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So onboarding, account opening and then the ongoing interaction customer goes away, they come back.

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We now need to re establish that it is them interacting with our products or services.

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Historically these two have been completely disconnected, completely separate.

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So we have separate vendors operating in these two bubbles.

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We use different methods to get there.

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And there is a broken connection between the identity proofing and the authentication stage.

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Very often the authentication system doesn't know who has been going through the identity proofing stage.

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We don't know whose biometric it is we are enrolling.

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We don't know whose fingerprint it is that we are registering.

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And so that is definitely something that creates risks for the businesses, but also very often leads to suboptimal user experience where they have to go through steps multiple times to be enrolled or even see completely different user interfaces as they go through the journey of the user lifetime.

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OK, so now diving a little bit deeper into the identity proofing, the shining stars of that segment have been the data-driven methods over the years, over the last decade.

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So the user gives us a first name and last name, date of birth, address, Social Security number, we go away, we check them out in databases, we maybe come up with questions to ask them.

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That just doesn't work that way anymore because the data is all out there.

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Be it hacks or leaks or people just posting all their information on social media.

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Everything you need to know to pass through such a test is already out there and can be found.

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And keep in mind the fraudsters don't want to necessarily impersonate someone specific, they just need an account that is not in their name.

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So any records that is out there poses a potential threat.

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The digital attributes analysis helps a little bit, can act as a Band-Aid.

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So that is where is the user physically, so location services, device services, but it can't overcome the shortfall of these data-driven methods.

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These the the digital attributes, they have their own place in a fraud ecosystem of course, but they are just not good enough as a Band-Aid for these traditional methods.

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Now the checking of government issued IDs is something that has been rapidly developing over the last couple of years.

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This is now a well understood problem and it has become a very competitive market.

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Just in the last two days we've seen lots of companies demonstrate here solutions where an ID scanned or a face is scanned or a combination of both.

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This definitely has huge potential and especially the liveness detection that comes with the face is really, really powerful.

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So we can establish that the owner of the ID, the person that is pictured on the photo ID is actually live and present at the moment of transaction.

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So really, really powerful fraud filter in authentication world.

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You're going to see a big push towards password less in the next couple of years, this year and next year.

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Even the big tech giants like Microsoft are getting behind this.

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They're with Microsoft, hello.

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They're not really pushing the password less authentication across all the industries.

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Everybody agrees username and passwords not strong enough, especially not in the financial industry sector.

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Knowledge based authentication again has pretty much the same problems as we discussed on the previous slide.

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And token is something that is great if you have a confined user base, employees or something that you can control, but isn't good for mass market consumer products and even out of bands that many of you probably are betting on.

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The security experts have been telling us that there is a risk inherent in the systems that we use to send text messages.

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And not just two weeks ago here in the UK, one of the the out of bank methods was defeated and created damages for one of the the big banks here in the in the UK.

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The biometric authentication is the missed opportunity here across the industry.

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There's so much more than we that we can do with it.

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The user acceptance side is already checked off.

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The big device manufacturers have paved that way for us with Apple Space ID and the fingerprint sensors that are built into all the modern devices.

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The consumer is now super happy to unlock things, apps, devices with their faces and with their fingerprints.

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That is already established.

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And so now it's on us to use these methods and create product and services out there.

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But be careful, the device built in biometrics, they have some risks with them as well.

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And that risks are, but first of all you don't know who all is enrolled into these devices.

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Very often the device owner will enroll a significant other kids and you as the third party application that is running on the device.

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You don't get to know who was positively authenticated.

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You just know that a user has been authenticated positively using that device.

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And so even a fraud that can get hold of the four digit passcode that stands between him and then rolling his biometric into the device can then take use of of that gap in the security.

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And last but not least, you don't know how secure these biometric sensors are.

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There are so many phones out there.

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Some may have an additional infrared camera to do the face biometric, others might not.

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Some have very good fingerprint readers that are very solid, others might not.

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And you don't want to have a long list of devices that you trust and don't trust.

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And that's the inherent problem with the device based biometrics.

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OK, So what would be the key requirements then?

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What do we want from such a solution?

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So first of all, super important.

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We want a frictionless, easy to use Wow user experience.

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Something that really can differentiate the brand, Something that you can be proud of.

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Super important.

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We also want to keep the fraudsters out.

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Equally important, we need something that is practically spoof proof.

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We want to create that unbroken chain of trust throughout the entire lifespan of a user life cycle, I

should say, where at the identity proofing stage we're already enrolling the biometric for the authentication system so that we can use the same method throughout the entire journey.

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And then last but not least, we want this as one integrated solution where you don't need to vet and buy from different vendors, but you have something that you can get in one easy package that is ready to use.

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And we've, we've looked at the market and we didn't really find that.

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And so we've built it.

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And so 2 days ago, this is pretty much what we've launched here at, at Finovate.

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And we want to show you that it is possible to create such solutions.

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What we have here is a demo that starts with a very oversimplified onboarding process.

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We fully understand that onboarding for a bank account or a loan takes much more steps, but we'll focus on the identity proofing stage.

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So we'll start here.

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And as Reinhard goes into this, we'll see the standard, we'll see the standard Jumia interface in a second.

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All right.

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So in this case, the application thinks we're in the United Kingdom.

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It's pretty right.

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As you have probably heard, we are not from around here.

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So Reinhart's going to use his Austrian driver's license for this demonstration.

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And this is the standard interface.

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He's capturing his ID.

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It's very easy and straightforward.

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So now we have the government issued ID on file.

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So hold on here a second.

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So what's happening now is that we are entering that second stage and for that stage we have partnered with a company called Facetech out of the United States.

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They have built a genius solution that is easy to use and is extremely strong and spoof proof.

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They're pretty much the only company on the planet right now that has reached a level 2 certification against the Presentation Attack Detection ISO standard, which means there are over 3000 standardised tests of paper prints out, screens, videos, masks, puppets that are used to test the the spoof proofness of the authentication solution.

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So what we're going to do now is we're going to first of all capture an image of the face so we have it on file.

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Secondly, we're going to compare it with the face that is on the driver's license.

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We're going to establish liveness so we have a physically a live person here and not just the paper print out.

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And we're going to enroll Reinhardt into the biometric authentication system that can be used throughout his entire user life cycle.

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All right, so that's the enrolment.

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Again, we understand there's more to account opening than that, but that's the identity proofing.

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And now we imagine it's a few days later, he has gotten his account, he's using it actively, he has a balance, he wants to create the wire transfer.

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So he's transferring money and the transactions here, everything is prepared.

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The only thing that's missing is the authentication from the account holder.

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So we're going to go ahead and do that.

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And you see, it's that same easy to use Wow user experience that helps us authenticate the user and give them access to the services on and authenticate.

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So that's it.

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That's all he has to do.

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Wire transfer went through.

13:01
So what can we do with tools like that?

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What can we do with a product like that?

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So first of all, it enables you to go completely password less.

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The authentication is strong enough so that you can do that.

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You also should use it as an alternative to the device based authentication.

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If you're already using the the biometrics in there, it allows you to unlock certain specific sensitive transactions, changes to the account creating via transfers that are above a certain threshold and so on.

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And it's of course relevant also not only for the financial industry sector, but across all the industries.

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So opening car rental doors, going back to hotel rooms, even something like online universities where people need to take tests and they need to be reverified often.

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Alright, so in summary, the reason this is a game changer is because it creates a user experience that is consistent.

14:01
It is cross-platform.

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So you saw that we used it on the web and we used it on the mobile.

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It works exactly the same way.

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The users understand what to do.

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It's a solution that is a marriage of two best in class solutions, the identity proofing from Jumio and the liveness and authentication from Face Tech.

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And we create that unbroken chain of trust from the point of enrollment and identity proofing towards the end of the user life cycle and everything in between.

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And so yes, absolutely, we do have the means and we do have the acceptance from the customer base to create solutions like that.

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Thank you very much.