

A look to the future of AI: on the Automation Revolution

Jochem Bruijninx (*Resolve*)





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Stand out with unique and hard-to-replicate functionality

Our team of **25 passionate employees** are dedicated to transforming the way work gets done using AI.



Resolve offers high-quality AI services

For WFM, HRM and Payroll (*planning-to-payroll*)



Automatic Rostering

Create fair and efficient workforce schedules



TimeDetect

Detect irregularities in time registrations to improve approval and registration processes



PayrollDetect

Detect irregularities in payroll input data to improve efficiency and avoid errors

For Accounting and ERP (*purchase-to-pay*)



Inventory Optimization

Forecast demand and provide optimal purchase order suggestions



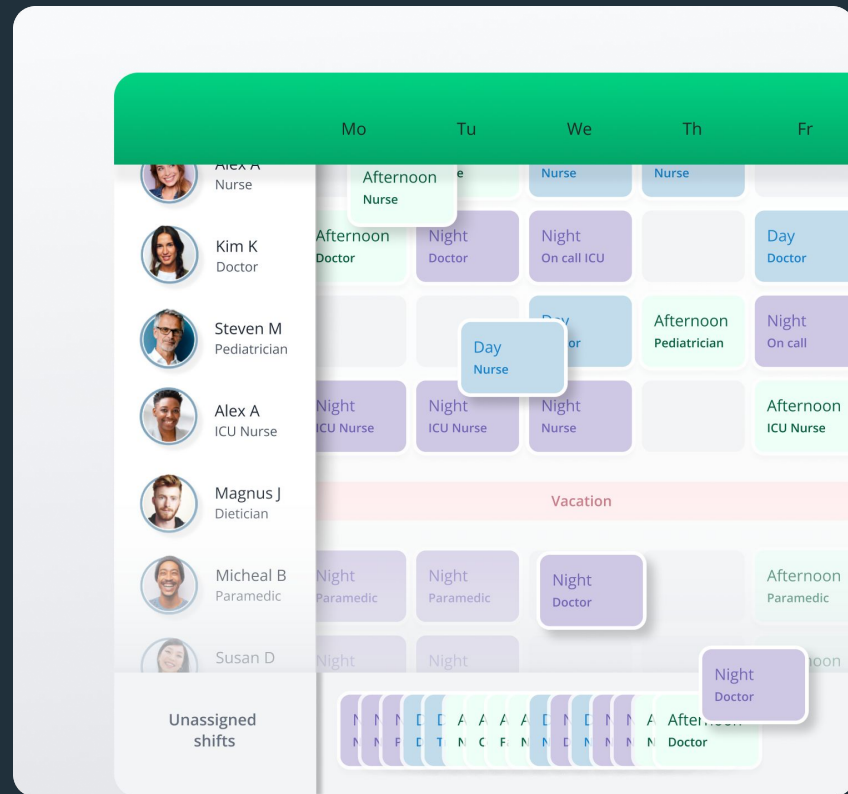
InvoiceDetect

Detect irregularities in invoices to improve approval processes



Automatic Rostering

Automatically create **optimal** work rosters using **advanced algorithms**

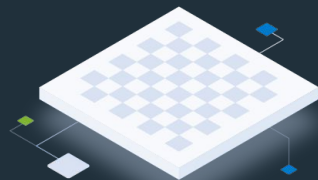




Automatic Rostering



Less time spent on planning



Improved quality of rosters for employees



Better utilization of workforce



Where do you see yourself **in 5 years**?

How do you think you will do your work five years from now? **How different** will that be?

My prediction for the future

I believe that **for the first time in history**, we can say with confidence that most jobs will be done significantly different in 5 years.



It's already happening!

Even compared to 2 years ago, AI is making rapid progress, enabling it to assist our work in new ways.

1. Knowledge assistants

The increase in context window length allows AI chatbots to take in increasingly large amounts of data, making them powerful assistants

2. Meeting transcriptions

Combining different AI capabilities allows transcription tools to not just transcribe meetings, but also turn the outcome into useful summaries.

Though there is still room for improvement..

Foundation Model Context Length



it's asking me to paint. Oh, this is a robbery. Oh, I can disclose it. Oh, they were trying to, oh, they were trying to bamboozle me. Bamboozle. They warned me like this is a person outside of your organization, watch out. And now they're taking our money and now I'm sharing our ip. Okay, am I in

Tool used: Fireflies AI

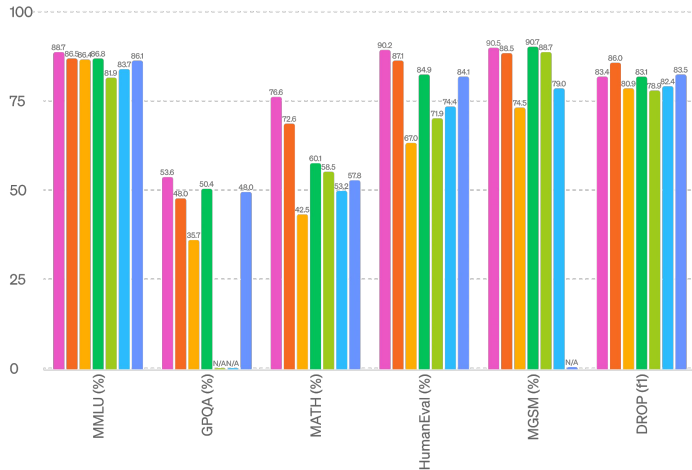


AI's capabilities are rapidly improving

AI is performing so well on benchmark tests, that researchers now wonder if we should start creating more difficult ones.

Text Evaluation

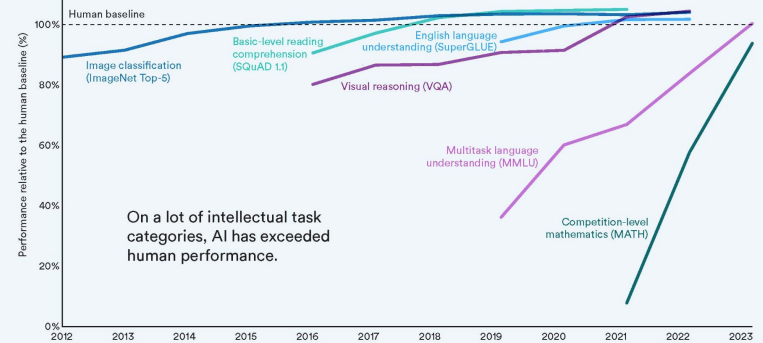
Legend: GPT-4o (pink), GPT-4T (orange), GPT-4 (initial release 23-03-14) (yellow), Claude 3 Opus (green), Gemini Pro 1.5 (light green), Gemini Ultra 1.0 (light blue), Llama3 400b (dark blue)



Source: OpenAI

Select AI Index technical performance benchmarks vs. human performance

Source: AI Index, 2024 | Chart: 2024 AI Index report



Source: Stanford University

AI's capabilities are rapidly improving

While the statistics are impressive, it's even more fun to see its creative progression.
Example: *"Turn this into a painting in the style of Van Gogh."*



AI's capabilities are rapidly improving



This was in 2022!

..as was this!



AI's capabilities are rapidly improving

OpenAI is now developing a video generation model - imagine where that will be 2 years from now!
Example prompt: *"Historical footage of California during the gold rush."*



Tool used: Sora (Note: not yet available!)





So, once more: where do **you** see yourself in 5 years?

If the technology keeps improving at its current pace, **how could that help you** in the work that you do?

Resolve's vision for **the future**



Vision

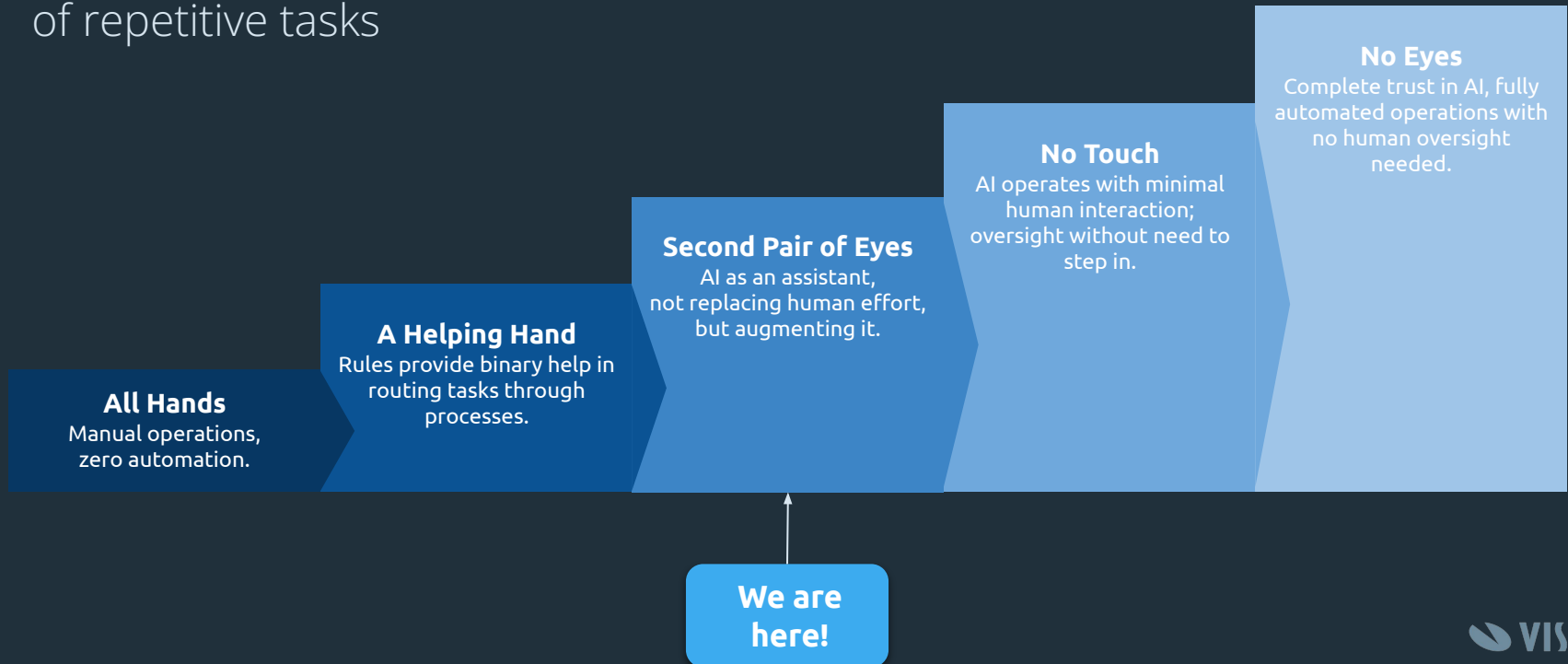
A world where planning-to-payroll and purchase-to-pay are so automated that no eyes are needed

Mission

Provide Visma companies with high-performant and easy-to-integrate AI APIs that unlock automation

The automation evolution

The process of gradually increasing the automation of repetitive tasks



Where **Resolve** sees itself in 5 years



Thank you for joining - questions welcome!

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