AI based recruitment platform

Client

One of the leading recruiting platform in US, providing AI based solutions to help businesses make smarter decisions with the talent acquisition.

Challenges

- Current system heavily depended on manual processes, which impeded the efficiency.
- Candidate relevance and matchmaking being manual necessitated enhancements.
- Client needed a robust and scalable platform to manage high volume of job postings, candidate profiles, and ongoing recruitment activities.
- Third party data lacked some critical information such as candidate skills and work history summaries, which were essential for the AI/ML model to determine candidate suitability.
- End-to-end screening process was entirely reliant on manual methods, resulting in substantial time consumption for their end customers .

Solution

- Navtech created an AI-driven platform utilizing ML algorithms to automate candidate filtering.
- Using Tensorflow and PyTorch An optimised resource utilisation in vector calculation and operation
- New platform was developed using React to enhance flexibility and scalability of the UI.
- Interactive dashboards built with advanced data visualization using chart.js
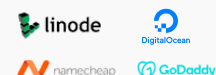
Technologies & Platforms

BACKEND

MySQL · C · Flask · python · redis

FRONTEND

React · WordPress · HTML5 CSS3 · Tailwind CSS · NEXT.js

INTEGRATIONS

crisp · stripe · in

AL / ML

PyTorch · learn

CLOUD SERVICES

amazon RDS · aws · Amazon S3 · Lambda · Amazon EC2 · Amazon SES · amazon DynamoDB · VPC · Amazon EKS · Amazon SageMaker

TOOLS

ANSIBLE · GitHub

INFEASTRUCTURE

linode · DigitalOcean · namecheap · GoDaddy

Outcome

- The solution involved implementing AI to automate the filtering of candidates based on job descriptions and titles, which improved efficiency by 2X.
- ML model provided more accurate candidate recommendations, cutting candidate screening time by 50%.