navtech
Where passion meets technology

App Modernization To Automate Hiring Operations

Client

The US based leading client in online recruiting service, streamlining the hiring process to build the dream team. Rated as one of the best among the competitors in East Coast USA.

Challenges

- Client was facing server overload issues and was looking for a unified system of applications that is scalable & secure.
- Job portal was built on a legacy code and wasn't supporting their growing employer user base efficiently.
- Management of quality postings and authenticity required manual review of fake employers postings which delayed the turnaround times.
- Client systems and processes were becoming limited due to manual provisioning, which required automation to scale efficiently for a growing customer base.

Solution

- Navtech completely automated the client's application systems with the help of Kubernetes clusters where each pod is placed within a private subnet
- Navtech improved their service monitoring by introducing automation of logging events in Datadog for effective debugging.
- A fraud detection system was implemented to mitigate the risk of fake employees exploiting the Wize Bot Automation.
- We implemented a solution to migrate the entire infrastructure to AWS services and Kubernetes in order to simplify and automate application deployment.
- Collaborated with the client team to break down monoliths into micro-services and containerized them to improve overall scalability.
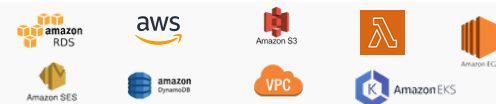
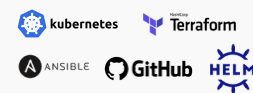## Technologies & Platforms

BACKEND

php · MySQL · Flask · python
django · C · redis

FRONTEND

React · WordPress · HTML5/CSS3 · Tailwind CSS · JS

INTEGRATIONS

INTERCOM · stripe · in · IPQS · nylas · twilio

CLOUD SERVICES

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

TOOLS

kubernetes · Terraform
ANSIBLE · GitHub · HELM

INFRASTRUCTURE

linode · DigitalOcean
namecheap · GoDaddy

Outcome

- Kubernetes allowed the system to remain highly available and increased performance efficiencies by 2X.
- The web application was fully deployed to a containerized environment, allowing the client to focus less on technical debt and more on scaling.
- Operational efficiencies were increased by 25%.
- 20x number of applications were able to be processed using the new system lowering the turnaround times.