.Net Remote Pod - Global Safety SaaS Product

User experience enhancements to Microsoft SSO flow, re-engineering of cloud infrastructure for improved performance. Coupled with a major redesign of the sites top-down navigation.

Facts

Location	Team Structure
NZ, Auckland	Integrated resources
Number of people	**Duration**
5	Ongoing Customer

Key Technologies

- React, Type script, jQuery
- .NET: (MVC, Core (Razor) and Entity frame work)
- CI/CD integrations.
- React Native and Expo
- .NET: (MVC, Core (Razor) and Entity frame work)
- Microsoft Azure Storage, Cosmos DB (Blob Storage), MSSQL and MySQL.

CHALLENGE

- Unintuitive UI flow for certain users within the application.
- Complex Coupling between the following databases: **MySQL, Microsoft SQL and Cosmos DB**.
- Minimal Ad hoc testing done by client
- Low quality mobile push notifications
- Site performance impacts with high traffic
- Tired main navigation section (Web portal)

DY SOLUTION

- Enhanced UI flow for key user groups
- Migration to full Azure serverless architecture
- Re-engineering of top-down navigation using core UX principles and cascading information architecture
- Brand new real-time push notifications system across the application

CLIENT IMPACT

- Enhanced SQL query performance which improved execution speed by x10.
- 30% reduction in processing time for core background jobs.
- Automated Unit tests for common user flows.
- Improved UI that drives more intuitive customer experience.
- Implementation of complete CI/CD development frameworks

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