

Smart Cloud-Centric Architecture Design Improves Overall Truck Driving Experience



Key Services

- Digital Product Development
- Cloud Engineering
- Emerging Technology Solutions

Executive Summary

The client runs a community portal for truckers, which aims to bring trucker community together acting as a strong resource providing them with all necessary information and tools needed to make their journey more convenient and joyful. It needed a solution that maximizes the productivity and improves the overall trucking community experience.

Client Profile

The client runs a trucking community portal that aims to help truck driver community with much needed information and services for a smooth trucking experience.

Business Challenge

The client was in need of a seamless intelligent transport system solution that would maximize the overall productivity of truck drivers and improve their driving experience.

Solution

Developed the backend, serverless, cloud-enabled platform for the portal that supports and enhances key functions for truckers such as navigation, traffic & road conditions

- Developed AWS Elastic Beanstalk to deploy & run, search and profile services
- Deployment of AWS Lambda and microservices for serverless platform and supported POI and road condition services respectively
- AWS DynamoDB high performance store for reviews and ratings
- AWS Elastic Search for full text and geospatial search
- AWS IAM for managed security integration with OAuth (w/SAML)

Tools & Technologies

- AngularJS and Microservices
- AWS Resources – AWS Elastic Beanstalk, AWS Lambda, AWS API Gateway, AWS Cloud Front, AWS Elastic Search, AWS DynamoDB and AWS IAM

Benefits

- Added value to fleet business by reducing overall cost and time
- Empowered transport telematics solution for truckers
- Stress-free driving experience for truckers
- Enabled faster delivery of products by 20%
- Reduced on-road delays by 25%
- Analytics and data-driven smart decisions empowered the truckers
- Prior information on weather and fuel price

About Innominds

Innominds is a Product Engineering Services and Solutions company headquartered in San Jose, CA. It offers co-creation services to enterprises for building solutions utilizing digital technologies focused on Devices, Apps, and Analytics. The skilled team of Innominds is responsible for building better outcomes for its clients through reliable, advanced technologies like Blockchain, Big Data, Artificial Intelligence, Cloud & DevOps and IoT among others.



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