

Building a SaaS Employee Transport Management Platform for a Fleet Company



PROBLEM STATEMENT

The client needed a comprehensive travel management solution to digitize its end-to-end operations, covering employee trip booking, live trip monitoring, expense tracking, and billing. Existing processes were manual and fragmented, making them impossible to scale with rising corporate demand. The goal was a single SaaS platform serving both businesses and individual travellers.

CHALLENGES

- Undefined and evolving product requirements
- Complex multi-variable billing engine
- One platform, many stakeholders
- Real-time visibility across a distributed fleet
- Consistent experience across web and mobile

Solution

1

End-to-End SaaS Travel Management Platform

A SaaS-based travel management solution that brings booking, expense tracking, trip monitoring, and billing into one seamless system for both businesses and individuals

2

Automated Multi-Variable Billing Engine

A rules-driven billing engine that models zone-based pricing, fuel slabs, garage kilometre allocation, vehicle age validation, escort costs, and vendor contract terms, and reconciles them automatically into one accurate invoice per trip.

3

Structured Product Discovery and Roadmap

Led with a collaborative discovery workshops, translating on-ground transport expertise into a prioritized feature roadmap. Iterative releases allowed the product definition to sharpen with every cycle.

4

Live Trip Booking and Monitoring

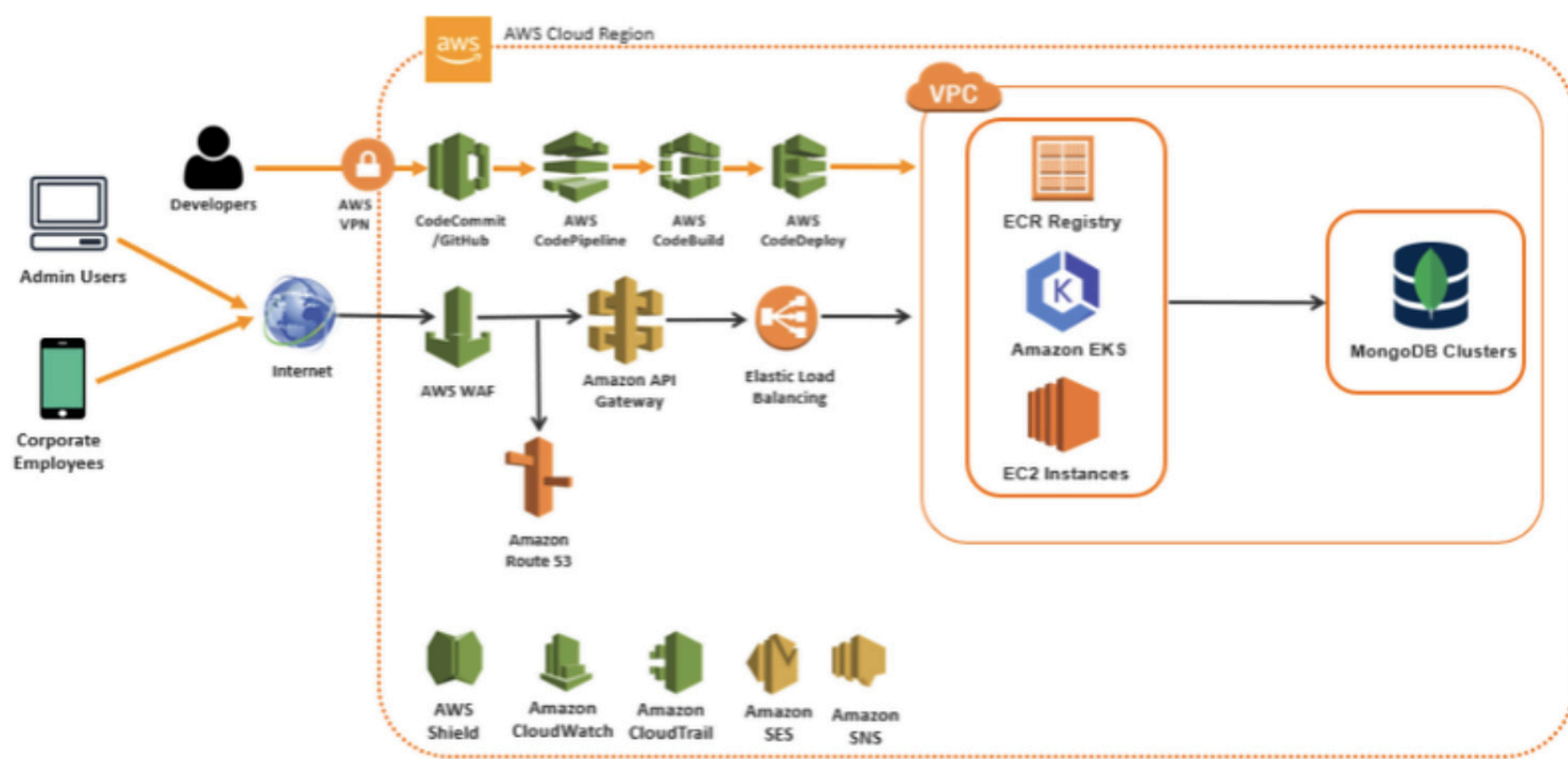
Employees book trips in seconds while administrators schedule, assign, and monitor them in real time. Live trip status and fleet visibility give operational control and transparency.

5

Scalable Multi-Platform Architecture

Java and Node.js power the platform core, with React web portals for corporates and administrators and React Native apps for employees and drivers, delivering a consistent experience across every surface from a shared backend.

Solution Architecture



Impact

5

Stakeholder roles unified on one platform:
corporates, employees, supervisors,
drivers,vendors

Interdependent billing variables
automated into one invoice per trip

6+

~80%

Reduction in billing cycle time from
trip completion to invoice

Invoice generation automated, eliminating
manual billing reconciliation

100%



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