

Case Study

Code Excellence

Revamping Platform Efficiency and Quality with Cypress Automation for a Leading Insurance Provider

Summary

The Texas-based specialty insurance provider aimed to enhance product quality and accelerate time to market. To achieve this, they modernized their application with Node.js, Angular, and Cypress automation, effectively addressing quality issues and technical debt. This resulted in a 90% reduction in regression testing time and a 50% improvement in platform quality, enhancing efficiency and product reliability.

Client Overview

A leading provider of innovative insurance solutions, headquartered in Texas, empowering insurers, MGAs, brokers, and other distribution partners to deliver profitable specialty insurance to commercial customers.

Pressure Points

Quality issues in the product, requiring a structured plan for improvement

Technical debt impacting platform performance and slowing time to market

Solution Highlights

Upgraded the application with newer technologies, including Node.js, Angular, and CircleCI

Developed a robust testing framework leveraging Cypress automation to improve efficiency

Technologies used: Angular, Node.js, TypeScript, CircleCI, AWS Lambda, AWS Gateway, and MongoDB

Results that Speak Volumes

90%

reduction in regression testing time: Cypress automation reduced testing time from 15 minutes to just 1 minute

50%

improvement in platform quality: Significant reduction in defects through automation testing