Reduced system testing efforts from 5 days to 5 hours for Mobile Application Suite

CUSTOMER
European conglomerate providing technology solutions for the Transportation domain

SCOPE
Sasken was entrusted with the responsibility of expediting release cycles, reducing defect leakages, and cutting down on cost of validation.

SOLUTION HIGHLIGHTS
Sasken provided a Test automation solution for Ticketing System & Commuter Mobile App Suite
• Mobile App Suite:
  • Xamarin Test cloud was used for test automation. XTC supports usage of device hours on a cloud as a service. Test cases for 12 Apps were automated on 2000 smartphones. Cucumber/C# was used for scripting.
  • Ticketing System:
    • Customized Test Automation framework was built using SpekFlow and White framework. SpekFlow was used for Test Scripting and White framework for Automated UI testing. 20% test cases were automated in the first phase to the satisfaction of customer’s validation team.

IMPACT
• System testing efforts for the mobile application suite was reduced by 80%, from 5 days to 5 hours
• Test execution time for the ticketing system was cut down by 90%. From six days, it was brought down to just four hours. Manual testers were elevated to automate the entire regression suite.