Migration of applications from Struts to Spring Hibernate Framework

Client's Case:

The consumer credit card division of a prominent bank had a number of consumer credit banking applications that were built on Java Structs 1.2. In order to better serve current users and to accommodate for future needs, the upper management decided to migrate these applications to use the Spring MVC framework. This is to take advantage of its flexibility, rich controller implementation selection and ease of testing. They wanted the migration to be seamless and have a staggered release to production.

Solution:

Foray team stepped in to work with the bank to overcome this technical challenge. Foray worked with the clients understand the scope & features of the target applications and came up with a migration plan. We followed the agile development methodology to systematically migrate each application. We built a rich suite of Spring commands to test the various features of the applications. We made sure the newer version of the application is behaviorally consistent with the old one. We followed a staggered rollout to production to make sure the impact on production was very controlled.

Technologies: Core Java 7, XML, JSON, Spring MVC, Spring Batch, Hibernate, JAXB, EJB, WMQ, Junit4, JunitEE, SOAP & RESTful WebServices, Gemfire, Groovy, Splunk.

Feedback from the client:

"We are very impressed with the methodical approach of Foray towards the migration. The thoroughness of their testing contributed to the seamless migration."