

Offshore development center for a USA based customer

SUMMARY

A US based product company providing a physical security platform with a unique integrated suite of patented features wanted to set-up an offshore development center (ODC) in India. They needed to accelerate the development of their product into a highly scalable solution. The customer's security platform includes real-time lockdown, asset tracking, automated time and attendance, hands-free multi-distance access with a patented real-time communication that enables campus wide lock-down in seconds. The integrated hardware and software based solution has the most advanced encryption in the market.

THE CLIENT'S CHALLENGE

The customer wanted to develop a scalable solution to cater to large US government organizations . The existing solution has been built on a legacy platform and it had to be migrated to new micro-services / docker based contemporary technologies to cater to the scalability requirements. To achieve these goals, the customer wanted to augment their in-house technical team with senior solution architects, full stack developers and testers and were looking for a trusted partner to help them set up their ODC in India.

ACTION PLAN

Striatum was selected by the client to help them set up an offshore development team. The software team would help them to enhance the features of their legacy system and also migrate the legacy system to the latest technology stack in order to make the product more flexible and scalable.

Striatum set up an offshore team of Senior Architects, full stack developers and testers within a short time frame of two months. The customer enabled the team with a hands-on knowledge sharing session to help them understand the product features and the technical architecture. The offshore team has accomplished the following :

- Successfully completed a POC of implementing new features in the product
- Successfully re-structured the deployment package and testing of a critical release
- Developed a completely new model to enhance the current features of the product
- Successfully tested 3 major releases for one of the key end users of the customer which was rolled out to production within the project time lines



- Successfully migrated the product to Wildfly and integrated the Kafka messaging technology to enable the product to scale up to handle huge volumes of messages which is a key feature of the product
- Initiated complete restructuring of the product architecture towards a Micro services-based architecture

RESULT

The client has been able to accelerate their product development and roll out critical new features for their end users which include large government organizations in the USA

The product releases have become more stable due to the independent QA being done by the offshore team.

The product has been upgraded from Jboss to Wildfly along with integrating Kafka messaging system . This has helped in enhancing the performance of handling the huge number of messages which are exchanged between the various entities of the integrated hardware and software product of the customer

The client has been able to move ahead in their road map for restructuring their product architecture towards the latest technologies based on micro services