ioT based Student Services using DevOps

A student activity platform is rolling out an IoT-based "sensory network" across college campuses to offer hyper personalized, highly-localized services to transform the way students go about their daily lives

The activity platform had to drive innovation at a faster pace and drive releases everyday. Achala proposed a complete end to end DevOps solution from requirements > code > build > test > release in a record time of 3 months

Capabilities

✔ Automated build through Jenkins integration

✔ Automated monitoring of servers through Nagios integration

✔ Nginx integration for increasing the redundancy of the servers

✔ Jmeter integration for load testing

✔ Selenium automation of various GUI based test cases

Client Benefits

✔ Reduced cycle time of providing builds

✔ Proactive management of servers instead of reactive; reduced server downtime

✔ Increased capacity of servers and save 30% of server costs

✔ Reduced defects in released software

✔ Increased customer satisfaction