



**MAKE ANY  
SURFACE SMART**

# KNOCKI

## Knocki reduces its time to market with DEVSTRINGX

### About Client

Swan Solutions, Inc. provides Knocki, a small wireless device that instantly transforms ordinary surfaces (walls, tables, doors, furniture, countertops, & more) into powerful yet easy to access remotes for your favorite devices and software.

The company was incorporated in 2014 and is based in Houston, Texas.

### Key Challenges

1. End to End Hardware Sensor to Cloud Use-Case Testing.
2. Testing scope was huge and Web, iOS, Android, Web Services needed to be tested in short time interval.
3. Integration testing with over 31 technologies like PHILIPS HUE, SMARTTHINGS, LIFX lights etc.
4. Testing of Firmware upgrade.
5. Full visibility of test coverage.

## Solutions

1. Devstringx leverages its Mobile and IoT labs to enable testing of hardware device as well as testing of Mobile app on different devices.
2. Over 427 Web, Mobile and API tests automated using our automation framework solution (FARTAF) in short time interval which helped in reduce test cycle.
3. Separate test harness was developed to test firmware upgrade.
4. Integration testing was done on real devices like LIFX, PHILIPS HUE etc in our Mobile/IoT labs.
5. Web app load testing was automated using Jmeter.



## Client Benefits

1. Leveraged in-house IoT domain expertise in identifying and authoring business critical scenarios for End-to-End testing.
2. Automation of around 60% of the application achieved in short time.
3. Saved 41% of effort in each release cycle with test automation.



Devstringx Technologies ([www.devstringx.com](http://www.devstringx.com)), Leader in Product Development, Mobile Apps Development and Independent Software Testing Services, headquartered at Noida, India. Devstringx is ISO 9001:2015 certified and also a NASSCOM member. Devstringx has its own Mobile and IoT Test Lab.