Fire Safety Inspection Software

Customer: Inspect Point
Industry: Fire Safety
Website: https://www.inspectpoint.com/

PROJECT SPECS

PROJECT TYPE: Test Automation & Automated Compliance Engine

TECHNOLOGIES: Specflow Plus, RestSharp, Selenium and Visual Studio Professional , Power Automate

SERVICES PROVIDED:

- Automation Framework
- Regression Testing Efficiency
- Azure Environment Integration
- Load and Performance Testing

TEAM:

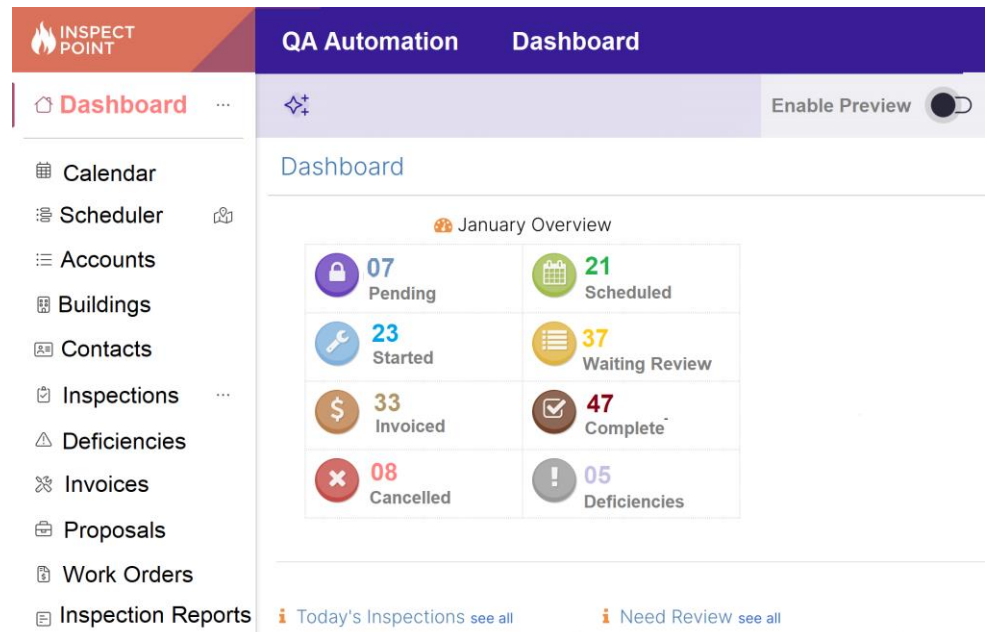- Project Lead
- Test Automation Engineer
- Test Engineer

ENGAGEMENT MODEL: Managed Service

DURATION: Ongoing Engagement

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OVERVIEW

InspectPoint is a software platform designed to support fire and life safety professionals throughout their business processes, spanning inspections to collection. By leveraging Inspect Point, businesses similar to yours can optimize their operations for efficiency and profitability, all while enhancing the protection of your customers' properties.

BUSINESS CHALLENGE

InspectPoint had expressed the need for integration testing across their backend web portal and mobile application. Our goal was to deploy an automated solution that can comprehensively test both the web application and the mobile app. This would streamline regression testing timelines, ensure seamless performance, and methodically validate the functionality.

OBJECTIVE

To develop a test automation framework to achieve seamless verification and improved quality across the portals.

SOLUTION

- Riverstone's team has built an automation framework using Specflow Plus, RestSharp, Selenium, and Visual Studio Professional.
- The framework supports concurrent testing on the backend admin portal and the mobile app users' API.
- This enables seamless collaboration between the web portal and mobile app users.
- A specific suite of automated tests has been developed to reduce regression testing time significantly.
- This optimization enhances the efficiency of continuous integration operations within the Azure environment.

DISTINCTIVE FEATURES

- Built the compliance engine that serves as a secure, web-based service specifically designed for tracking fire protection systems.
- Integration of a Power Automate cloud webhook, enhancing the efficiency of data transfer between platforms
- Built an Azure-based DevOps pipeline that includes crucial artifacts, enhancing the smooth execution of Specflow. This integration is designed to optimize resource utilization and time efficiency.
- Ensuring synchronized data between the backend web portal and the mobile app API.
- A dedicated Azure pipeline has been set up to validate the synchronization process across all portals through a daily run.

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