

Compliance Manager Application

A web based application developed to help healthcare organizations comply to the latest standards and regulations

Challenge

The cost of compliance is often cited as the number one barrier to entry for organizations attempting to build software or enter into the healthcare market. Our team decided to tackle this problem by building a compliance manager. The application needed to be able to support both web and mobile experiences and be deployed on the cloud so that it could support both cloud based multi tenant, and single tenant on premise deployments.

Solution

The Compliance Manager has several end-user web interfaces specifically tailored for specific needs of various departments within the healthcare organization as well as specific needs of user roles. The system has multiple modules, each implemented as an independent and pluggable package into the core system: Assessment Manager, Inquiry Builder, Policy Builder, Workflow and Rules Manager, Compliance Alerting Manager, Reporting Manager, Dashboard Builder and Security Manager. Additionally, we built bundles of modules and configuration sets suitable for various compliance needs, e.g. HIPPA Compliance Manager, Grievance Compliance Manager, SDLC Compliance Manager, etc.

Benefits

By choosing the microservice architecture, Angular, NgRx and PWA, we were able to create a scalable and modularized system with a single user interface for web and mobile experiences.

However, even though the project cost was higher than if we did not use microservices, in the long term they will bring significant savings - because of lower maintenance costs, easier upgrades, etc.

Tech: Java, Spring Boot, Apache Kafka, PostgreSQL, Angular 4

Duration: 6 months

Value: \$400K