

Enterprise Lifecycle Accelerates Development

Our client is an MIT-associated technology startup software-only medical data company that delivers AI toolkits, to provide real time actionable insights to providers. They are headquartered in Boston MA and work with over 40 medical centers and hospitals to develop physician centric models of care.

The Challenge

The start-up's team was faced with a challenge of balancing the tempo and needs of an early lifecycle startup and the regulatory compliance & documentation burdens that come with developing an FDA regulated software as a medical device (SAMD).

Further, how can they do this while staying true to the agile principles that drive the startup community and at price point that is achievable for a startup?

The Solution

A thoughtfully constructed enterprise-wide solution lifecycle (ELC) is the cornerstone of any technology team, but too often it's a copy and paste template provided by an issue & project tracking vendor, rather than a bespoke process tailored to reflect the unique business needs of an organization. For this startup, we deployed experienced development leads, scrum masters (project managers), and technology executives to work with startup resources to determine:

1. How their technology and processes could be realigned to reduce regulatory burden by leveraging existing outputs.
2. In cases where technology could not fully automate the challenge, we identified aspects of compliance that could be managed offshore through contracted resources at competitive rates.
3. Prioritized the product backlog of the into features, epics, and sprints.
4. Identified what aspects of development needs could be executed in parallel by competitive offshore resources, while keeping market distinguishing features built inhouse.

Outcome

By developing a customized ELC, then deploying it into the startup's projecting tracking & knowledge/feature management suite, we were able to simplify daily development activities through the consistent delivery of high-quality user stories, which were then packaged into feature bundles designed to be FDA compliant. The fact that the initial user stories' content would be provided to the FDA had the additional net benefit of increasing story quality, which lead to a 12% increase in work units completed due to decreased development follow-up time. What additional repackaging was necessary to support the transformation of user story into compliant documentation was handled offshore, with all changes retaining full Product Owner supervision & signoff, ensuring full compliance. In addition, by bringing on development resources that could contribute in parallel, development was greatly accelerated, such that Q3 features on the product roadmap were developed as-of Q1.

This further underscored the success of adopting a structured ELC with strategic sourcing model.

Customer Success Journey

Solution
Enterprise Lifecycle



Industry
Life Sciences



Region
Boston, MA



RESULTS

12% Increased Completed Work Units

Increased Story Quality

Accelerated Development by a factor of 33%

Our Offerings



Data Strategy – Road Mapping Data Journey



Cloud Services – Architecture, Migration, Infrastructure Management



Big Data – Build, Migration, Analytics



AI and Machine Learning

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