HEALTHTECH

SENECAGLOBAL

Faster time to market with enhanced features for DTx platform

Experienced team works in concert with internal resources to develop solutions that help people dealing with neurological conditions

SITUATION

Digital therapeutics (DTx) can change the lives of people dealing with chronic conditions and their caregivers for the better. A well-funded HealthTech company is on a mission to tap the power of DTx to enable people living with neurological conditions and their families to lead more productive, meaningful lives.

The company develops solutions that aid clinicians in diagnosing and treating major neurological disorders. Their goal is to help preserve brain health and enable patients to maintain as much independence as possible.

The partnership with SenecaGlobal enabled the company to accelerate the pace of development for its adaptive learning platform. The solution uses machine learning by combining best-in-class cognitive rehabilitation strategies to assess several novel digital biomarkers to dynamically personalize and optimize treatment based on patients' unique cognitive and physical needs.

THE SENECAGLOBAL SOLUTION

SenecaGlobal quickly assembled an experienced core team with an average of 10 years of experience per member to help the company scale its solution, reduce costs and shorten development timelines.

The company relies on SenecaGlobal to be a seamless extension of its internal resources through close collaboration and adherence to an Agile software development process.

SenecaGlobal teams focus on:

Backend: A sprint team with technology expertise, including Java, Node js and Redis on AWS Fargate, Azure, Springboot, and Postgres, provides software design, software development, code review, quality assurance and documentation. They ensure the platform is scalable and optimized for the cloud.

Frontend: A sprint team with technology expertise, including HTML5, CSS3, JavaScript, React.js, Redux, provides software design, software development, code review, quality assurance and documentation. Deliverables are focused on the interfaces to access the solution for clinicians, patients and care providers.

Mobile: A sprint team with technology expertise in React Native for IOS/Android and iOS/SWIFT created the feature set that enables the patient app to collect data from iOS and Android wearables and mobile devices.

QA Automation and Manual Testing: A sprint team with technology expertise in Selenium with BDD Framework, Javax, Postman tests and confirms the integrity of existing software, develops and executes automated and manual test cases, feature testing, end-to-end regression and testing, and post-deployment smoke testing.

Data Engineering: This team writes and optimizes complex processes that retrieve and manipulate data. They also develop strategies to optimize the large-scale data processing system.

RESULTS

With SenecaGlobal as part of their team, the HealthTech company has a competitive advantage. At a time when most companies have trouble finding and retaining top technical talent, the company can depend on SenecaGlobal for end-to-end software development that enables them to stay focused on product strategy, roadmaps and client services.

EXPERIENCED RESOURCES
More than doubled size of development team to accelerate time to market

TRUSTED PARTNER
Majority of stories assigned to SenecaGlobal sprint teams

TECHNICAL EXPERTISE
Optimized AI algorithms that drive treatment recommendations

QUALITY DELIVERED
Automated QA framework and test cases for dashboard app

PRODUCT ADVANCEMENT
Developed CI/CD framework for mobile app

Well Positioned for Funding
Based on progress with product development and customer traction, the company secured a significant round of Series B funding.

SENECAGLOBAL

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About SenecaGlobal

SenecaGlobal is a leader in innovation outsourcing for complex software development. The company helps its clients primarily in the HealthTech, SecurityTech, and FinTech develop and bring innovations to market faster. The company's agile team consists of world-class innovation technologists and business executives who have deep domain expertise.

Founded in 2007, SenecaGlobal is headquartered in Chicago, Illinois and has a state-of-the-art software development and management center in Hyderabad, India. The company is certified as a Great Place to Work® and is ISO 9001 certified for quality and ISO 27001 certified for security.