QR8 Case Study

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The Client

Qr8 Health is a digital health company dedicated to developing and commercializing validated clinical assessments. Working primarily in the neurological space, Qr8 empowers providers to design and run fully integrated patient assessments capable of testingfor and treating diseases such as multiple sclerosis, Alzheimer's and Parkinson's.

The Challenge

One ongoing challenge of performing patient assessments – the regular tests and check-ins that Qr8's tools help enable – is ensuring these assessments are valid from both scientific and clinical perspectives.

Maintaining scientifically valid tools is a must for compliance, but since HIPAA regulations are constantly being updated, keeping up with federal standards requires both flexibility and configurability.

And just because an assessment is valid doesn't mean it fits into clinical workflows.

Qr8 aims for complete integration between its services and provider practices, meaning assessments must be brief and simple enough to be self-administered.

Complete integration also means that data from assessments must be securely stored and readily available. If the resulting data isn't valid and actionable, the assessment may as well not have taken place.

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Using Oxygen, its cloud-native services platform, Cloudticity built to Qr8's unique needs, configuring a system that was both fully automated and fully customizable.

The Solution

With customers all over the world trusting Qr8 to manage their data, the company needed a platform with enough dependability and flexibility to meet the needs of patients and providers. As a smaller company, Qr8 also wasn't interested in employing a year-round internal team for its software needs.

Qr8's solution to its data-management problem was to construct a continuous integration and delivery (CI/CD) pipeline, a tool that enables seamless integration anddelivery of information across different digital environments. The company envisionedcomplete harmony among its development, test and production environments.

Though Qr8 had worked with other managed service providers (MSPs) before, it decided to partner with Cloudticity, an AWS Advanced Consulting Partner and innovator in DevOps automation, to facilitate construction of the new pipeline. Using Oxygen, its cloud-native services platform, Cloudticity built to Qr8's unique needs, configuring a system that was both fully automated and fully customizable.

Before this service, Qr8's team had to pull and deploy data manually, a process that was cumbersome and costly, and that also involved the constant risk of human error. With the ability to store and access information seamlessly and dependably, Qr8 immediately solved for its problems with compliance, consistency, and cost efficiency.

The Benefit

Compared to other MSPs, Cloudticity Oxygen allows for far greater degrees of customizability and flexibility. For instance, while all of Qr8's assessments run on the same platform, thanks to Cloudticity's DevOps Automation its clients are able to further configure those services to the needs of their specific use case.

For providers, the CI/CD pipeline means medical recommendations are built onand validated by easily integrated assessments. The pipeline also helps navigate the burdensome testing requirements that come from working within an FDA regulated space, by eliminating inconsistencies and ensuring compliance.

For patients, who actually interact with Qr8's applications regularly, this new service has even further advantages. More than just a quality-assurance tool, the CI/CD pipeline enables faster and more trustworthy clinical decision-making, putting both patients' and providers' minds at ease.

Because Qr8's developers no longer need to access and deploy their data manually, they're also able to focus more on technical support and developing further assessments. By speeding up a crucial step in the development cycle, Qr8 hopes its customers will see an even faster release cycle for new services.

Moving forward, Qr8 now has the portability and scalability it needs to continue advancing these crucial healthcare solutions.

About Cloudticity

Cloudticity, based in Seattle, WA, helps healthcare organizations design, build, migrate, manage, and optimize HIPAA-compliant solutions on Amazon Web Services (AWS). Founded in 2011, Cloudticity has helped providers, payers, and companies that sell to the healthcare industry remain secure, compliant, and highly available to patients and customers that rely on them.

For more information, visit **Cloudticity.com.**

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