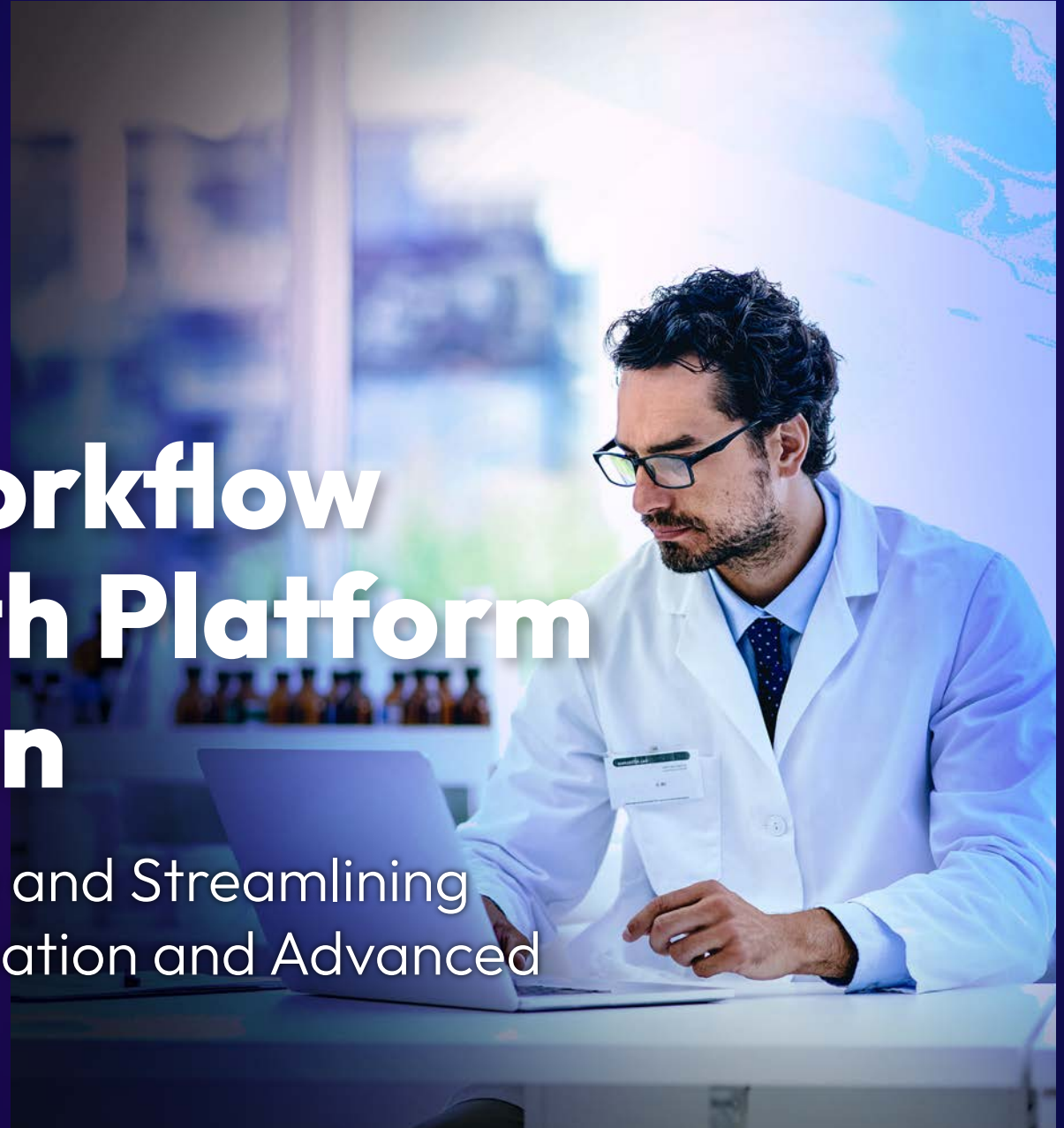# brillio

Improving Workflow Efficiency with Platform Modernization

Enhancing User Experience and Streamlining Operations Through Automation and Advanced Analytics Solutions

With a legacy spanning over multiple decades, this data intelligence company empowers the life sciences sector with objective data and clinical insights needed to bring safe, effective treatments to market. Offering an exhaustive suite of services, including syndicated registry data and analytics, precision medicine solutions, as well as specialized EMR and claims data, the organization facilitates the generation of regulatory-grade real-world evidence, providing insights into the post-approval safety and efficacy of novel therapies.

Navigating hurdles with data quality and manual processes

However, despite its robust approach to health insights, the company encountered challenges in effectively managing patient and medical data sourced from diverse channels in disparate formats.

Moreover, the demanding manual processing of data for analysis and the generation of CIOMS (Council for International Organizations of Medical Sciences) reports had been a laborious and time-intensive endeavor, imposing significant operational strain.

To address these challenges, streamline processes and operations, improve data collection, and provide a unified view for insights, the company decided to partner with Brillio.

The company's data landscape frequently contained duplicate records, disparate values, and notable information gaps.

Enhancing Data Collection and Insights Generation

Over the course of a month, the teams engaged in a discovery phase, exploring all workflows and disease registries through extensive discussions.

After detailed product demonstration workshops, specific registries were prioritized for initial development. Brillio's UI/UX team then crafted product designs and prototypes, which underwent thorough review and refinement.

Transparent communication channels ensured seamless updates and progress reports, with risks and dependencies monitored for timely intervention.

This collaborative effort led to the development of two pivotal solutions, utilizing technologies such as AWS Lambda, AWS Glue, AWS RDS, RestAPI, ReactJS, Python APIs, and Tableau.

The first solution was a robust and efficient data platform designed to assist data professionals in collecting and storing patient data. It served as a cornerstone for organizing, accessing, and enriching patient metadata, streamlining data discovery and governance processes.

The second solution was a powerful platform tailored for Pharmacovigilance users, simplifying data analysis, quality control, and report generation. It provided swift access to pertinent patient information, including comprehensive medical histories and detailed drug exposure records.

With built-in automation, the platform expedited Data Quality Checks and streamlined CIOMS form generation, saving time and ensuring accuracy in reporting adverse drug reactions.

During implementation, Agile methodology guided delivery teams, with tailored training sessions.

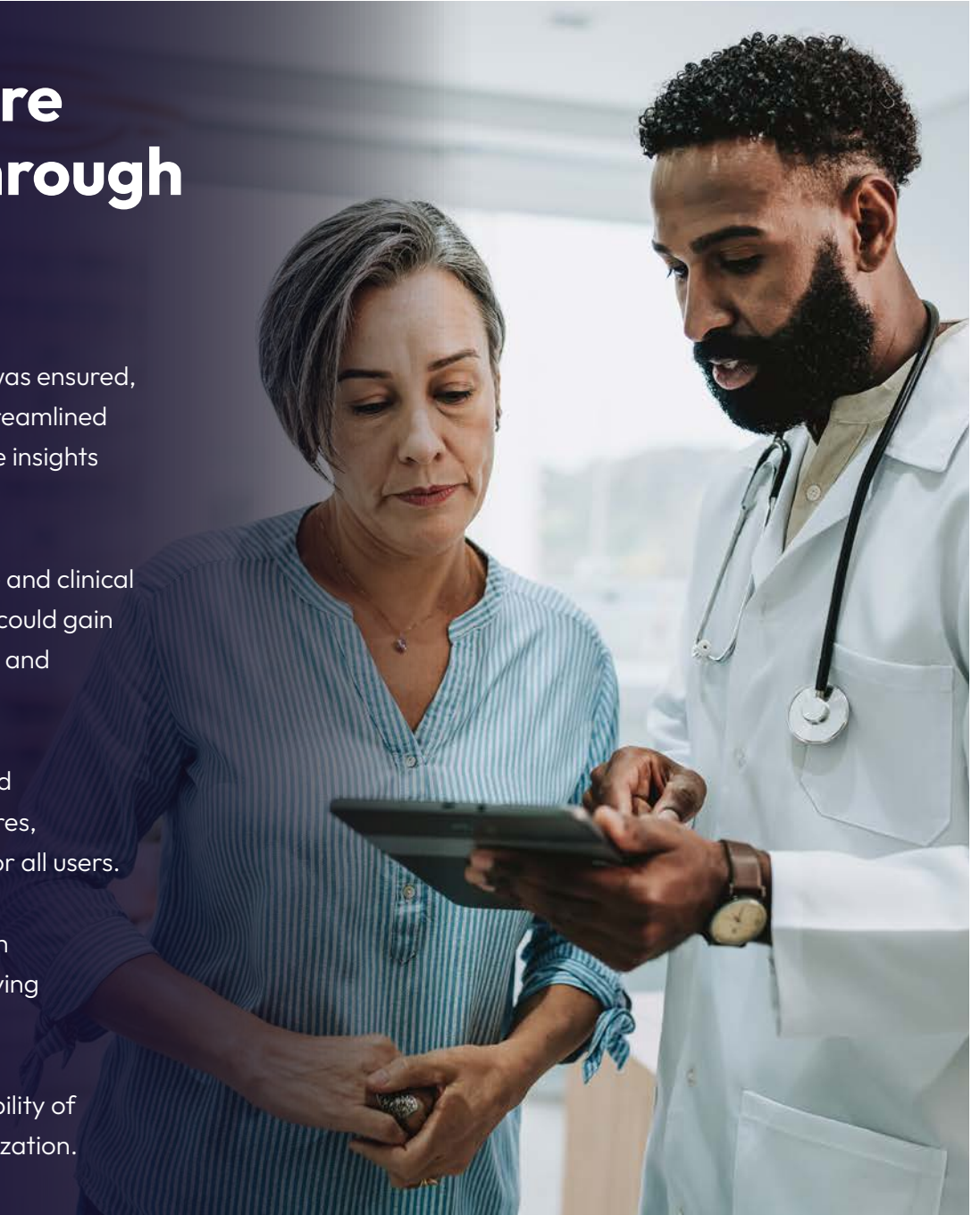# Driving Better Patient Care and Clinical Outcomes Through Quality Data

Following the implementation, access to high-quality clinical data was ensured, with the platforms serving as secure gateways. These platforms streamlined workflows, saved valuable time, and enabled stakeholders to derive insights and take action more swiftly.

The enhancements also played a pivotal role in driving patient care and clinical outcomes. By offering a consolidated view of various events, users could gain valuable insights at a glance, facilitating informed decision-making and proactive interventions.

User experience has been elevated through continuous usability and functionality enhancements. With robust design and intuitive features, seamless navigation and utilization of the platform were ensured for all users.

Moreover, time-to-value has been significantly accelerated through automation, reducing processes from months to weeks and simplifying complex procedures to a single click.

Automated business quality checks ensured the accuracy and reliability of event data, fostering high data integrity and trust within the organization.

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ABOUT BRILLIO

At Brillio, our customers are at the heart of everything we do. We were founded on the philosophy that to be great at something, you need to be unreasonably focused. That's why we are relentless about delivering the technology-enabled solutions our customers need to thrive in today's digital economy. Simply put, we help our customers accelerate what matters to their business by leveraging our expertise in agile engineering to bring human-centric products to market at warp speed. Born in the digital age, we embrace the four superpowers of technology, enabling our customers to not only improve their current performance but to rethink their business in entirely new ways. Headquartered in Silicon Valley, Brillio has exceptional employees worldwide and is trusted by hundreds of Fortune 2000 organizations across the globe.

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